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PART V.

RÉSEAU MONDIAL, 1911.

MONTHLY AND ANNUAL SUMMARIES OF PRESSURE, TEMPERATURE, AND PRECIPITATION AT LAND STATIONS,

GENERALLY TWO FOR EACH TEN-DEGREE SQUARE OF LATITUDE AND LONGITUDE.

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RÉSEAU MONDIAL, 1911.

PREFACE.

THE compilation of a series of meteorological data representing the meteorology of the globe has been for a long time a cherished ambition of meteorologists, because it is generally acknowledged that the weather of any particular region is only the local result of causes which belong to the general circulation of the atmosphere, and can only be interpreted in general terms when the results for one locality can be placed in effective comparison with those for the rest of the globe.

Summaries of results for pressure, temperature, and rainfall based on averages for a long series of years have already been given to the world. Alexander Buchan's compilation, contained in the volume of the results of the *Challenger* Expedition comprising the Report on Atmospheric Circulation, is the most notable. It includes a representation of the average distribution of pressure and temperature for each month, with tables for the individual stations, which are still a mine of reference for all who are interested in meteorology; and in the time before its publication Dové's charts of mean temperature were, and still are, counted among the best known meteorological classics, and are the basis of the maps reproduced in many works on physical geography. In the last few years comprehensive tables of extremes and averages for several hundred coast stations have been compiled in this Office and published in the various Admiralty Pilots and Sailing Directions.

The gradual progress of meteorology on an international basis may be dated back to the International Congresses of 1874 at Vienna and 1879 at Rome. It has been carried on with increasing success by periodical Conferences of Directors of Meteorological Institutes and Observatories, with triennial meetings of the International Meteorological Committee appointed by the Conferences. It has led meteorologists to recognise that normal values are only the first beginning of the systematic study of the meteorology of the globe, and that the next important step is the compilation of monthly means of pressure, temperature, and rainfall which are the result of observations at stations in all parts of the world, conducted in accordance with the regulations laid down by the international organisation in order to secure the uniformity of practice necessary for the purposes of comparison.

Prominent among those who have urged the study of meteorology on the scale of a *réseau mondial* is the veteran meteorologist H. H. Hildebrandsson, for many years Professor in the University of Upsala, whose memoirs on centres of action in the atmosphere also rank among classical researches in meteorology. For him the month was the accepted time-unit, while his collaborator the late Léon Teisserenc de Bort, in 1905, demanded the collection of daily data for a *réseau mondial* by telegraph, and obtained the appointment of a special commission by the International

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Meteorological Committee in 1907 to satisfy the demand, with which that of Professor Hildebrandsson was subsequently associated. Before that, the Solar Physics Observatory at South Kensington insisted upon the compilation of meteorological data for the globe from the point of view of the relation of solar and terrestrial changes, and in order to further that object a Solar Commission was constituted by the International Meteorological Committee at Southport in 1903 under the presidency of Sir Norman Lockyer, and held several meetings, at the last of which, in 1909, a selection of stations at the rate of two for each ten-degree square of latitude and longitude was prepared.

The inherent difficulties of the task of compiling the data from the publications of the various meteorological institutes appearing at widely different intervals after the close of the period under review, and of supplementing them by data which are believed to exist but are not published, have hitherto proved insuperable, and various attempts have been made by individual institutes—notably by the Solar Physics Observatory, by the Indian, Australian, and Argentine Services, and especially by Professor Hildebrandsson—to collect the data necessary for special branches of research. More recently the Meteorological Institute of the Netherlands, with the assistance of the Commission for Maritime Meteorology, has initiated the collection of monthly data for selected areas of the sea, in order to supplement the available information on land.

It was my duty, as President of the International Meteorological Committee, to do what was possible to assist in meeting a demand so generally regarded as urgent, and so difficult to satisfy on account of the number of obstacles, each in itself trivial but practically deterrent by their number; and in 1910 I presented to the meeting of the International Committee at Berlin a specimen of the compilation for the month of January 1905, which was accepted as satisfactory. General support was promised to the enterprise provided it was understood that the resulting compilation would be published.

After five years of endeavour to find means to deal with the demand, through the energy and perseverance of a member of the staff of the Meteorological Office, Mr C. E. P. Brooks, M.Sc., with the effective assistance of Mr H. W. Braby, M.A., until he left for service in the war, I had succeeded in compiling the monthly results for the year 1911 in the form which was used for the specimen presented at Berlin.

The tables were all printed, and also the charts showing the deviations of pressure and temperature from normal values, and the volumes were only awaiting binding up in order to be ready for issue, when all the tables for 1911, and with them a large part of the manuscript for 1912, were destroyed by fire at the printing works at Edinburgh in May 1916.

It was some months before the printers were able to proceed with their work, and when they did so, they commenced with the printing of 1912 instead of 1911, and the charts for the latter year were issued in January 1917, without waiting for the reprinting of the tables. The tables for 1912 were issued in August.

There is a sense in which the Meteorological Office is specially called upon to take up the responsibility of a work of this kind. In response to urgent representations of various kinds it has, for some years past, made a point of collecting together the meteorological information compiled in the various British colonies scattered over the

globe which have no organised meteorological institute; the original intention was to compile a volume of meteorological data for the British Empire as a fifth part of the *British Meteorological and Magnetic Year-Book*. This was felt to be an urgent necessity, if only for the purpose of keeping in sympathetic touch with the work which is conducted sometimes under very adverse conditions and with little supervision or expert assistance. Those who have experience in supervising work carried on at a great distance from the base will recognise that the headings of columns on a form for the entry of observations are sometimes misunderstood or disregarded by the observer until his attention is called thereto; and unless the examination is done promptly and regularly it is too late. Moreover, the most effective way of examining results is to chart them; and thus, when the work came to be taken in hand, it was found desirable to have the values of neighbouring countries for the purpose of comparison; and, indeed, it became apparent that with not very much additional labour the summary might be extended beyond the limits of the British Empire to include the whole of the known globe.

It will be understood that the representation of the meteorology of the globe which is here presented is only in outline. Precipitation in particular cannot be adequately represented by two stations to the square of ten degrees in latitude and longitude. But it is better to include it now as a guide to the questions which will subsequently be answered more fully. Pressures are expressed in millibars, temperatures in degrees centigrade measured from absolute zero, and rainfall in millimetres. Conversion tables are appended to this preface.

There are other points which will have to be considered before the work can be regarded as complete. The observations of pressure and temperature are taken at fixed hours at the different stations, and the fixed hours are not the same for all when referred either to local time or standard time. Consequently there may be systematic differences due to the difference of hours selected for observations, and wherever possible the results must be reduced to the true mean value for the period of twenty-four hours, which is usually regarded as identical with the mean of twenty-four readings at equal intervals of an hour. But in many cases the appropriate correction is not known. It is a subject in which it is better not to guess, and consequently the mean values of the readings in their original form are given, and in the case of pressure a separate table is given in the Introduction for the amount of correction representing the necessary reduction to the twenty-four hour mean, while in the case of temperature an additional column is given headed "24 hr. mean," in which computed means are shown in *italics*.

In temperature there is a further special case to be considered because observations of maximum and minimum temperature are often available, sometimes instead of, sometimes in addition to the observations at fixed hours.

In his climatological work, Dr Buchan preferred to accept the "mean of maximum and minimum" as a definition of mean temperature of the air for a month, because it was more convenient to handle than a definition based upon the mean ordinate of a continuous record for the twenty-four hours. On the other hand, Dr Hann has devoted much attention to the question of difference between the true mean temperature and the means of the twenty-four hours, and regards it as particularly worthy of attention in tropical regions.

In the tables of values here given, we have to allow for every kind of variation permissible by the international rules, and in consequence the means as extracted from the published results are of many different forms. It has been thought best to give the mean of the maximum and minimum whenever both were available, and otherwise to give the means at combinations of hours which are specified for each station in a supplementary table which follows the meteorological data.

This brings us to a third point, namely, the differences of values for the particular month from the normal values for the month for the individual stations. In the absence of any universally applicable rule for obtaining the true means for the twenty-four hours, it is useful to be able to work with difference from normal instead of depending upon the actual difference between stations. Here again there is a difficulty, because the normals for different stations ought to be based on equal numbers of years of record, and indeed, strictly speaking, on the same interval of time.

But the records are not by any means concurrent. In such circumstances we have this consolation for our inability to present a truly homogeneous series of data—that the associations of weather phenomena which we are seeking by this compilation must be something much deeper and wider than anything that can be obliterated by the chance of the selection of years for the normal or the method of obtaining means. If not, the work of the Réseau Mondial would be a vain pursuit. When we get to the stage when general considerations will be contingent upon precise accuracy in the formation of the deviation from normal, the object of the meteorological plan of organisation of stations will be sufficiently clear to secure the requisite co-operation.

In the meantime it is hoped that the mode of presentation will upon examination commend itself to my meteorological colleagues. It is to me not only interesting but satisfactory that in glancing over the tables, with the exception of three entries in the height column for stations that are below sea level, the prefix of the sign + or − before a number means always and everywhere the difference from the figures accepted for normal.

The appearance would have been very different if five additional columns of temperature had required the prefix of a sign to make the reading intelligible.

NAPIER SHAW, *Director.*

Meteorological Office,
11*th August* 1917.

INTRODUCTION TO THE TABLES OF THE RÉSEAU MONDIAL FOR THE YEAR 1911.

The following tables deal with the meteorology of the globe month by month for the year 1911. As far as the available data permitted, two stations have been included for each ten-degree square, and in some cases, chiefly in Western Europe, three stations. All the stations are land stations, no marine data being included. The majority of the stations are under the control of the various Government Meteorological Services, and may therefore be regarded as giving comparable records. In other cases information as to the exposure of the instruments is often lacking, and then it is not certain that standard conditions have obtained. No observations are included that are known to be faulty in this respect. The elements dealt with are barometric pressure, temperature of the air, and precipitation. Absolute units on the C.G.S. system are employed throughout.

Numbering of the Stations.—The stations are divided according to their latitude into sixteen ten-degree zones, numbered from North to South, Zone 1 being from 80° to 70° North, and Zone 16 from 70° to 80° South. Each of these zones is divided at every tenth degree of longitude, into thirty-six ten-degree squares. Each square normally contains two stations, so that to each square in the zone, starting from 180° (Greenwich longitude) and proceeding eastward, two numbers are assigned. The stations within the ten degrees between longitude 180° W. and 170° W. are thus numbered 1, 2, those between 170° W. and 160° W. 3, 4, and so on; those between 170° E. and 180° E. are numbered 71, 72. To the numbers of the stations in each zone is prefixed the number of the zone, the whole making a system of numeration for the stations, *e.g.* in Zone 1, Nos. 101, 102 . . . 171, 172; in Zone 10, Nos. 1001, 1002 . . . 1072. Where there are three stations in a ten-degree square, the third station is designated by the number of the second station with the letter *a* attached.

Pressure.—The readings of barometric pressure are reduced to mean sea level when the height of the cistern is accurately known and does not exceed a thousand metres. Above this height the readings are not reduced. The tables employed in the reductions are based on those in the International Meteorological Tables, the mean temperature at the station for the month being taken to represent the temperature of the column of air. Owing to the low temperatures recorded in Canada and Siberia, this probably makes the sea-level pressures there during the winter months artificially high. If we assume a temperature inversion of 10 a. immediately above the ground, the excess would be about one millibar for every two hundred metres height of the station. The hours of observation to which the barometer readings refer are shown in the table of authorities at the end of the monthly tables. In many cases the figures are means of hourly values, for others a table is given at the end of this Introduction, showing the corrections which must be applied to the readings if it is wished to reduce the values given to twenty-four hourly means. These corrections are not available for all stations.

Differences from normal are given wherever average values were obtainable ; where both station-level and sea-level readings for the month are given, the differences refer to the latter. The periods covered by the averages vary ; it was not possible to employ a homogeneous series, owing to the late commencement of many of the tropical stations.

Temperature.—The tables of temperature include the means of the daily readings of the maximum and minimum thermometers, the highest reading of the maximum and the lowest reading of the minimum thermometer, the mean temperature, obtained from the mean maximum and mean minimum or from observations at fixed hours, and a column showing the observed or computed mean of twenty-four hourly values. The normals, like those of pressure, are for varying periods, but in all cases they are based on the same combination of values as the current data.

Precipitation.—The term precipitation includes besides rain, snow, hail, and (if in measurable amount) dew. The solid precipitates are measured by the depth of water they yield or are computed to yield when melted.

Standard of Time.—The standard of time to which the hours of observation refer is either local time or local standard time. As a rule, at stations unconnected with a Government Weather Service local time is employed, while the Government Services employ local standard time for all the stations within their district.

Tables of Authorities.—The publications of the various Meteorological Institutes, from which the data for 1911, as well as the normals for the stations, are taken, are shown in the "Tables of Authorities, etc.," at the end of the volume. The letters **P**, **T**, **R** refer to Pressure, Temperature, and Precipitation. In many cases the data for 1911 are not yet published by the institutions responsible for them, and advance copies in manuscript have been kindly supplied by the directors. The data for some stations in the British Crown Colonies exist in manuscript at this Office, but have not yet been published in any other form. The positions and heights of the stations, and the spelling of the names, have been taken, wherever possible, from the official publications.

Table I. gives corrections based, where possible, on averages of several years, which must be applied in order to reduce to true or twenty-four hourly means the values of pressure contained in the monthly tables.

Tables II.–V. show the equivalents in absolute C.G.S. units of inches and millimetres of mercury, degrees Fahrenheit, and inches of rainfall.

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Zone 1.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Gaasefiord for North Star Bay, ⅓ (8+14+21) (1)	0·0	0·0	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Gaasefiord and Godthaab for Upernivik, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Zone 2.													
Godthaab for Jacobshavn, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Godthaab, ⅓ (8+14+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Helsingfors, 7 h. (2)	+0·7	+0·1	+0·1	+0·2	+0·2	−0·1	−0·2	+0·1	+0·2	+0·4	+0·2	+0·4	+0·2
Kuopio, 7 h. (1)	+0·5	+0·2	+0·2	+0·2	+0·1	−0·1	−0·1	+0·1	+0·1	+0·3	+0·3	+0·3	+0·2
Kola, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Petrozavodsk, 7 h. (1)	+0·2	+0·2	+0·2	+0·1	+0·1	−0·1	0·0	0·0	+0·1	+0·3	+0·2	+0·2	+0·1
Arkhangelsk, 7 h. (1)	+0·3	+0·3	+0·3	+0·1	+0·1	−0·1	0·0	0·0	+0·1	+0·3	+0·3	+0·2	+0·2
Velsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Oust-Tsylma, 7 h. (1)	+0·3	+0·3	+0·3	+0·1	0·0	−0·1	0·0	0·0	+0·1	+0·3	+0·3	+0·2	+0·1
Troitsko-Petcherskoe, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Berezov, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Obdorsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Sourgout, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Doudinka, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Olekminsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Iakoutsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Verkhoïansk, ⅓ (7+13+21) (1) ..	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Oust-Maïskoe, ⅓ (7+13+21) (1) ..	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Zone 3.													
Fort Churchill, ½ (8+18) (1)	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·2	+0·1	+0·1	−0·1	−0·2	−0·2	0·0
Hamburg, ⅓ (8+14+20) (2)	0·0	+0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	0·0	0·0	0·0
Hamburg and Upsala for Copenhagen, ⅓ (8+14+21) (2)	+0·1	−0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	+0·1
Warsaw, 7 h. (1)	+0·2	0·0	−0·1	−0·2	−0·3	−0·3	−0·3	−0·3	−0·1	−0·1	+0·1	+0·2	−0·1
Jurjev, 7 h. (1)	+0·2	+0·2	+0·1	+0·1	0·0	−0·1	−0·1	0·0	+0·1	+0·2	+0·2	+0·3	+0·1
Petrograd, 7 h. (2)	+0·2	+0·2	+0·2	+0·1	0·0	−0·1	0·0	0·0	+0·1	+0·3	+0·2	+0·2	+0·1
Kiev, 7 h. (1)	+0·1	+0·3	0·0	−0·1	−0·4	−0·4	−0·3	−0·3	−0·1	−0·2	+0·1	+0·1	−0·1
Moscow, 7 h. (2)	+0·1	+0·2	+0·4	0·0	+0·1	−0·1	−0·2	0·0	+0·1	+0·1	+0·1	0·0	+0·1
Saratov, 7 h. (1)	+0·1	−0·1	−0·1	−0·4	−0·5	−0·6	−0·6	−0·4	−0·4	−0·2	−0·1	+0·2	−0·3
Kazan, 7 h. (2)	+0·3	0·0	0·0	−0·2	−0·4	−0·5	−0·5	−0·2	0·0	+0·1	+0·2	+0·5	−0·1
Orenburg, 7 h. (1)	0·0	−0·1	−0·1	−0·4	−0·5	−0·6	−0·5	−0·4	−0·4	−0·2	0·0	+0·1	−0·3
Perm, 7 h. (1)	+0·1	+0·1	0·0	−0·1	−0·3	−0·3	−0·3	−0·1	0·0	+0·1	+0·2	+0·2	0·0
Ekaterinburg, 7 h. (2)	+0·1	+0·1	0·0	−0·1	−0·3	−0·2	−0·2	−0·1	0·0	+0·1	+0·2	+0·1	0·0
Tobolsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Akmolinsk, ⅓ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Omsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Barnaoul, ⅓ (7+13+21) (2)	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0
Tomsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Minousinsk, ⅕ (7+13+21) (1) ..	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Eniseisk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Irkutsk, ⅓ (7+13+21) (2)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	+0·1	−0·1
Kirensk, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	−0·1
Blagoveshchensk Priisk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Nertchinsk, ⅓ (7+13+21) (2) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Tygan Ourkan, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Blagoveshchensk, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Paikanskii Sklad, ⅓ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1
Nikolaevsk-sur-Amour, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0
Okhotsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*—continued.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Zone 4.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Toronto, ½ (8+20) (1)	−0·4	−0·4	−0·4	−0·5	−0·3	−0·2	−0·2	−0·3	−0·4	−0·3	−0·3	−0·4	−0·3
Rome, 8 h. (3)	0·0	0·0	+0·1	0·0	0·0	0·0	+0·1	0·0	+0·1	−0·3	−0·1	0·0	0·0
Vienna, ⅓ (7+14+21) (2)	+0·2	+0·1	0·0	0·0	+0·1	0·0	0·0	0·0	+0·1	0·0	+0·1	+0·2	+0·1
O-Gyalla for Buda Pesth, ⅓ (7+14+21) (1)	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0
Odessa, 7 h. (1)	0·0	+0·2	−0·1	−0·3	−0·6	−0·6	−0·4	−0·5	−0·4	−0·3	−0·1	0·0	−0·3
Kharkov, 7 h. (1)	−0·1	0·0	0·0	−0·2	−0·3	−0·5	−0·4	−0·5	−0·4	−0·3	−0·2	−0·2	−0·3
Novorossiisk, 7 h. (1)	−0·3	−0·2	−0·3	−0·6	−0·7	−0·7	−0·7	−0·8	−0·8	−0·5	−0·3	−0·3	−0·5
Tiflis, 7 h. (2)	−0·2	−0·2	−0·6	−0·9	−0·9	−0·9	−1·0	−1·0	−0·9	−0·7	−0·4	−0·3	−0·7
Astrakhan, 7 h. (1)	−0·1	−0·2	−0·3	−0·7	−0·8	−0·8	−0·7	−0·7	−0·8	−0·5	−0·3	−0·1	−0·5
Krasnovodsk, 7 h. (1)	−0·1	−0·2	−0·5	−0·9	−0·9	−0·9	−0·7	−0·9	−0·9	−0·7	−0·3	−0·2	−0·6
Tachkent, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·3	−0·2	−0·1	0·0	0·0	−0·1
Irgiz, ⅓ (7+13+21) (1)	+0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	0·0	0·0	−0·1
Narynskoe, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Vernyi, ⅓ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Vladivostok, ⅓ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	0·0	−0·1
Zone 5.													
Bermuda, ⅓ (9+15+21) (1)	−0·2	−0·1	−0·1	−0·1	0·0	−0·1	0·0	−0·1	−0·1	−0·1	0·0	−0·2	−0·1
Horta, 6 h. (1)	+0·3	+0·6	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2	+0·1	+0·4	+0·2	+0·3
Ponta Delgada, 8 h. (1)	−0·2	−0·3	−0·5	0·0	−0·1	−0·1	−0·2	−0·1	−0·3	−0·3	−0·3	−0·3	−0·2
Lisbon, ⅓ (9+15+21) (4)	−0·2	−0·1	−0·1	−0·2	−0·1	−0·1	−0·1	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2
Palma, 8 h. (1)	−0·5	−0·5	−0·6	−0·4	−0·4	−0·5	−0·6	−0·4	−0·6	−0·6	−0·6	−0·4	−0·5
Metlaoui for Tunis, ⅓ (7+13+19) (1)	0·0	−0·1	−0·2	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·1	+0·1	0·0	−0·1
Malta, 8 h. (1)	−0·6	−0·7	−0·7	−0·7	−0·8	−0·8	−0·9	−0·8	−0·8	−0·8	−0·7	−0·6	−0·7
Naples for Catania, ¼ (7+9+15+21) (2)	0·0	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1	−0·1	−0·1
Athens, 8 h. (1)	−0·3	−0·6	−0·4	−0·4	−0·4	−0·5	−0·4	−0·5	−0·3	−0·5	−0·5	−0·4	−0·4
Alexandria, 8 h. (1)	−0·4	−0·5	−0·5	−0·5	0·0	0·0	−0·1	−0·1	−0·4	−0·4	−0·5	−0·5	−0·3
Cairo (Helwan), 8 h. (5)	−0·8	−0·8	−0·8	−1·1	−0·8	−0·3	−0·9	−0·8	−0·9	−0·9	−0·9	−0·7	−0·8
Nicosia, 9 h. (1)	−0·8	−1·0	−0·8	−0·8	−0·7	−0·6	−0·7	−0·7	−0·7	−0·8	−1·0	−0·9	−0·8
Lenkoran, ⅓ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	+0·1	−0·1
Quetta, 8 h. (6)	−0·9	−0·9	−1·1	−1·2	−1·2	−1·4	−1·3	−1·2	−1·4	−1·5	−1·4	−1·1	−1·2
Lahore, 8 h. (6)	−0·7	−0·6	−1·0	−1·2	−1·3	−1·6	−1·3	−1·5	−1·4	−1·4	−1·0	−0·9	−1·1
Simla, 8 h. (6)	−0·2	−0·2	−0·2	−0·4	−0·6	−0·5	−0·5	−0·4	−0·5	−0·5	−0·6	−0·4	−0·4
Leh, 8 h. (6)	−1·0	−0·9	−1·4	−1·3	−1·3	−1·6	−1·8	−1·7	−1·9	−1·7	−1·5	−1·2	−1·5
Dehra Dun, 8 h. (6)	−0·6	−0·5	−0·8	−1·1	−1·2	−1·3	−0·9	−0·7	−0·9	−1·0	−0·9	−0·7	−0·9
Zi-Ka-Wei for Hangkow, ¾ (6+14+22) (7)	+0·3	+0·2	+0·2	+0·1	0·0	0·0	−0·1	0·0	0·0	+0·2	+0·2	+0·3	+0·1
Pekin for Tiensin, ½ (6+14+22) (8)	+0·3	+0·3	+0·1	0·0	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·1
Zone 6.													
Nassau, Bahamas, ½ (8+15) (1) ..	+0·1	+0·1	0·0	+0·1	0·0	+0·1	+0·2	+0·2	+0·1	+0·2	+0·1	+0·1	+0·1
Dakhla Oasis, 8 h. (1)	−0·7	−0·3	−0·3	−0·4	−0·5	−0·5	−0·5	−0·4	−0·4	−0·3	−0·7	−0·5	−0·5
Wadi Halfa, 8 h. (1)	−1·2	−1·1	−1·5	−1·5	−1·1	−0·6	−1·3	−1·2	−0·7	−0·4	−1·3	−1·5	−1·1
Suez, 8 h. (1)	−0·8	−0·9	−0·9	−1·0	−1·0	−0·8	−0·9	−0·8	−0·8	−0·9	−0·8	−0·8	−0·9
Aswan, 8 h. (1)	−1·6	−1·6	−1·7	−1·5	−1·7	−1·3	−1·1	−1·1	−1·3	−1·3	−1·6	−1·6	−1·5
Bushire, 8 h. (6)	−0·8	−0·8	−0·9	−0·7	−0·8	−0·6	−0·5	−0·5	−0·7	−0·9	−1·0	−0·9	−0·7
Jask, 8 h. (6)	−1·2	−1·1	−1·1	−1·0	−1·0	−0·8	−0·6	−0·8	−1·0	−1·1	−1·3	−1·2	−1·0
Kurrachee, 8 h. (6)	−1·5	−1·5	−1·4	−1·3	−1·3	−0·9	−0·8	−1·0	−1·2	−1·4	−1·5	−1·5	−1·3
Hyderabad, Sind, 8 h. (6)	−1·3	−1·3	−1·5	−1·4	−1·5	−1·3	−1·1	−1·0	−1·2	−1·4	−1·4	−1·3	−1·3
Jaipur, 8 h. (6)	−1·1	−1·2	−1·5	−1·6	−1·8	−1·6	−1·2	−1·2	−1·4	−1·6	−1·3	−1·3	−1·4
Nagpur, 8 h. (6)	−1·7	−1·9	−2·1	−2·3	−2·2	−1·4	−1·2	−1·2	−1·5	−1·7	−1·8	−1·7	−1·7
Allahabad, 8 h. (6)	−1·5	−1·6	−1·9	−2·0	−1·9	−1·7	−1·2	−1·2	−1·6	−1·7	−1·7	−1·6	−1·6
Calcutta, 8 h. (6)	−1·6	−1·6	−1·7	−1·8	−1·5	−1·1	−0·9	−1·0	−1·2	−1·6	−1·7	−1·7	−1·5
Akyab, 8 h. (6)	−1·5	−1·5	−1·6	−1·7	−1·1	−0·8	−0·8	−0·9	−1·2	−1·4	−1·3	−1·5	−1·3
Phu Lieu for Moncay, ½ (10+16) (9)	−0·3	−0·2	−0·2	−0·1	+0·1	+0·2	+0·2	+0·2	+0·1	−0·1	−0·1	−0·1	0·0
Zone 7.													
Mexico for Morelia and Oaxaca, ⅓ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Haiti for St. Croix, ⅓ (8+14+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0
Haiti for Barbados, ½ (9+15) (1) ..	0·0	0·0	+0·1	+0·1	+0·2	+0·3	+0·3	+0·3	+0·3	+0·2	+0·1	0·0	+0·2
El Obeid, 8 h. (1)	−2·8	−2·1	−2·3	−1·0	−1·9	−1·8	−1·6	−0·8	−1·6	−2·0	−1·7	−0·9	−1·7
Khartoum, 8 h. (1)	−1·7	−1·6	−1·9	−2·0	−2·1	−2·0	−1·6	−1·6	−1·8	−1·7	−1·8	−1·7	−1·8
Aden, 8 h. (6)	−1·6	−1·7	−1·7	−1·5	−1·6	−2·0	−2·1	−2·2	−1·9	−1·4	−1·7	−1·3	−1·8
Bombay, 8 h. (6)	−2·0	−1·9	−2·0	−2·0	−1·8	−1·1	−1·0	−1·2	−1·6	−2·0	−2·2	−2·1	−1·8

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*—continued.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Zone 7.—continued.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Mysore, 8 h. (6)	−1·7	−1·7	−1·9	−2·1	−1·8	−1·2	−1·0	−1·3	−1·5	−1·7	−1·6	−1·7	−1·6
Madras, 8 h. (6)	−1·5	−1·5	−1·7	−1·7	−1·6	−1·6	−1·5	−1·6	−1·8	−1·7	−1·5	−1·5	−1·6
Waltair, 8 h. (6)	−1·7	−1·6	−1·8	−1·8	−1·7	−1·2	−1·1	−1·2	−1·3	−1·6	−1·6	−1·7	−1·5
Port Blair, 8 h. (6)	−1·3	−1·2	−1·2	−1·3	−1·1	−0·9	−0·8	−0·9	−1·1	−1·2	−1·2	−1·3	−1·1
Rangoon, 8 h. (6)	−1·7	−1·9	−2·1	−2·2	−1·6	−1·0	−1·0	−1·0	−1·3	−1·8	−1·5	−1·8	−1·6
Zone 8.													
Cothin, 8 h. (6)	−1·9	−1·8	−1·8	−1·6	−1·2	−0·7	−0·7	−0·9	−1·2	−1·4	−1·6	−1·8	−1·4
Singapore, ⅓ (9+15+21) (2)	−0·2	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·3	−0·2	−0·3	−0·2
Zone 9.													
Malden Island, ½ (9+20) (1)	−1·2	−1·0	−1·2	−1·2	−1·2	−0·8	−0·9	−1·0	−1·0	−1·1	−1·1	−1·0	−1·1
Zanzibar, 8 h. (6)	−2·1	−2·1	−1·6	−1·3	−1·1	−1·1	−1·1	−1·1	−1·3	−1·6	−1·5	−1·6	−1·5
Ocean Island, ½ (9+21) (1)	−1·4	−1·2	−1·4	−1·4	−1·4	−1·0	−1·2	−1·2	−1·3	−1·3	−1·3	−1·2	−1·3
Zone 10.													
Alofi, Niue Island, 9 h. (10)	−1·2	−1·3	−1·5	−1·4	−1·5	−1·5	−1·4	−1·6	−1·4	−1·4	−1·3	−1·2	−1·4
Tahiti, ⅓ (6+12+18) (10)	−0·5	−0·5	−0·5	−0·5	−0·6	−0·5	−0·6	−0·4	−0·5	−0·5	−0·4	−0·5	−0·5
St. Helena, 9 h. (1)	−1·2	−1·2	−1·3	−1·3	−1·3	−1·1	−1·1	−1·1	−1·0	−1·1	−1·2	−1·2	−1·2
Derby, ½ (9+15) (1)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Hall's Creek, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2
Port Darwin, ½ (9+15) (1)	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Daly Waters, ½ (9+15) (1)	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3
Mein, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Georgetown, Queensland, ½ (9+15) (1)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2	+0·2
Suva, Fiji, 9 h. (10)	−1·2	−1·3	−1·5	−1·4	−1·5	−1·5	−1·4	−1·6	−1·4	−1·4	−1·3	−1·2	−1·4
Zone 11.													
Onslow, ½ (9+15) (1)	−0·2	−0·2	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1
Peak Hill, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·1	+0·1	+0·1
Nullagine, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	0·0	+0·1
Laverton, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3	+0·3
Alice Springs, ½ (9+15) (1)	+0·6	+0·5	+0·7	+0·7	+0·8	+0·9	+0·9	+1·0	+1·0	+0·9	+0·9	+0·8	+0·8
William Creek, ½ (9+15) (1)	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3
Boulia, ½ (9+15) (1)	+0·4	+0·4	+0·5	+0·5	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6	+0·5	+0·6
Mitchell, ½ (9+15) (1)	0·0	+0·1	+0·1	+0·2	+0·3	+0·3	+0·4	+0·4	+0·5	+0·5	+0·3	+0·2	+0·3
Rockhampton, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Brisbane, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Zone 12.													
Cape Town, 8½ h. (1)	−0·5	−0·4	−0·2	−0·3	−0·3	−0·3	−0·2	−0·3	−0·4	−0·6	−0·6	−0·4	−0·4
Cape Leeuwin for Perth, ½ (9+15) (1)	−0·2	−0·3	−0·1	0·0	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·2	−0·2	−0·1
Breaksea Island for Katanning, ½ (9+15) (1)	0·0	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·2	0·0	+0·1	+0·1	0·0	+0·1
Coolgardie, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Eucla, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·2
Streaky Bay, ½ (9+15) (1)	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1
Adelaide, ½ (9+15) (1)	0·0	0·0	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·1	+0·1	0·0
Bourke, ½ (9+15) (1)	+0·1	+0·2	+0·2	+0·3	+0·4	+0·4	+0·5	+0·5	+0·5	+0·5	+0·4	+0·2	+0·3
Zone 13.													
Hobart, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·2	+0·3	+0·3	+0·2
Hobart for Launceston, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·2	+0·3	+0·3	+0·2

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TABLES FOR CONVERTING FROM BRITISH TO METRIC UNITS, AND *VICE VERSA*.

Table II.—Pressure. *Equivalents in Millibars of Inches of Mercury at 32° F. and 45° Latitude.*

For brevity, the fundamental equations may be written :—

g_{45} = 980·617 cm/sec².
density of mercury at normal freezing-point of water = 13·5955.
1 mercury-inch = 33·8632 millibars ; 1 millimetre = 1·33320 millibars.
1000 millibars = 1 bar = 29·5306 mercury-inches = 750·076 millimetres.
using 1 inch = 2·54000 cm.

Inches and Tenths.	0	1	2	3	4	5	6	7	8	9
	Millibars.									
27·0	914·3	914·6	915·0	915·3	915·7	916·0	916·3	916·7	917·0	917·4
27·1	917·7	918·0	918·4	918·7	919·0	919·4	919·7	920·1	920·4	920·7
27·2	921·1	921·4	921·8	922·1	922·4	922·8	923·1	923·4	923·8	924·1
27·3	924·5	924·8	925·1	925·5	925·8	926·2	926·5	926·8	927·2	927·5
27·4	927·9	928·2	928·5	928·9	929·2	929·5	929·9	930·2	930·6	930·9
27·5	931·2	931·6	931·9	932·3	932·6	932·9	933·3	933·6	933·9	934·3
27·6	934·6	935·0	935·3	935·6	936·0	936·3	936·7	937·0	937·3	937·7
27·7	938·0	938·3	938·7	939·0	939·4	939·7	940·0	940·4	940·7	941·1
27·8	941·4	941·7	942·1	942·4	942·8	943·1	943·4	943·8	944·1	944·4
27·9	944·8	945·1	945·5	945·8	946·1	946·5	946·8	947·2	947·5	947·8
28·0	948·2	948·5	948·8	949·2	949·5	949·9	950·2	950·5	950·9	951·2
28·1	951·6	951·9	952·2	952·6	952·9	953·2	953·6	953·9	954·3	954·6
28·2	954·9	955·3	955·6	956·0	956·3	956·6	957·0	957·3	957·7	958·0
28·3	958·3	958·7	959·0	959·3	959·7	960·0	960·4	960·7	961·0	961·4
28·4	961·7	962·1	962·4	962·7	963·1	963·4	963·7	964·1	964·4	964·8
28·5	965·1	965·4	965·8	966·1	966·5	966·8	967·1	967·5	967·8	968·1
28·6	968·5	968·8	969·2	969·5	969·8	970·2	970·5	970·9	971·2	971·5
28·7	971·9	972·2	972·6	972·9	973·2	973·6	973·9	974·2	974·6	974·9
28·8	975·3	975·6	975·9	976·3	976·6	977·0	977·3	977·6	978·0	978·3
28·9	978·6	979·0	979·3	979·7	980·0	980·3	980·7	981·0	981·4	981·7
29·0	982·0	982·4	982·7	983·0	983·4	983·7	984·1	984·4	984·7	985·1
29·1	985·4	985·8	986·1	986·4	986·8	987·1	987·5	987·8	988·1	988·5
29·2	988·8	989·1	989·5	989·8	990·2	990·5	990·8	991·2	991·5	991·9
29·3	992·2	992·5	992·9	993·2	993·5	993·9	994·2	994·6	994·9	995·2
29·4	995·6	995·9	996·3	996·6	996·9	997·3	997·6	997·9	998·3	998·6
29·5	999·0	999·3	999·6	1000·0	1000·3	1000·7	1001·0	1001·3	1001·7	1002·0
29·6	1002·4	1002·7	1003·0	1003·4	1003·7	1004·0	1004·4	1004·7	1005·1	1005·4
29·7	1005·7	1006·1	1006·4	1006·8	1007·1	1007·4	1007·8	1008·1	1008·4	1008·8
29·8	1009·1	1009·5	1009·8	1010·1	1010·5	1010·8	1011·2	1011·5	1011·8	1012·2
29·9	1012·5	1012·8	1013·2	1013·5	1013·9	1014·2	1014·5	1014·9	1015·2	1015·6
30·0	1015·9	1016·2	1016·6	1016·9	1017·3	1017·6	1017·9	1018·3	1018·6	1018·9
30·1	1019·3	1019·6	1020·0	1020·3	1020·6	1021·0	1021·3	1021·7	1022·0	1022·3
30·2	1022·7	1023·0	1023·3	1023·7	1024·0	1024·4	1024·7	1025·0	1025·4	1025·7
30·3	1026·1	1026·4	1026·7	1027·1	1027·4	1027·7	1028·1	1028·4	1028·8	1029·1
30·4	1029·4	1029·8	1030·1	1030·5	1030·8	1031·1	1031·5	1031·8	1032·2	1032·5
30·5	1032·8	1033·2	1033·5	1033·8	1034·2	1034·5	1034·9	1035·2	1035·5	1035·9
30·6	1036·2	1036·6	1036·9	1037·2	1037·6	1037·9	1038·2	1038·6	1038·9	1039·3
30·7	1039·6	1039·9	1040·3	1040·6	1041·0	1041·3	1041·6	1042·0	1042·3	1042·6
30·8	1043·0	1043·3	1043·7	1044·0	1044·3	1044·7	1045·0	1045·4	1045·7	1046·0
30·9	1046·4	1046·7	1047·1	1047·4	1047·7	1048·1	1048·4	1048·7	1049·1	1049·4

	Thousandths of an Inch.								
Inch	·001	·002	·003	·004	·005	·006	·007	·008	·009
Millibars	·0	·1	·1	·1	·2	·2	·2	·3	·3

Table III.—Pressure. *Equivalents in Millibars of Millimetres of Mercury at 0° C. and 45° Latitude.*

Millimetres.	0	1	2	3	4	5	6	7	8	9
	Millibars.									
700	933·2	934·6	935·9	937·2	938·6	939·9	941·2	942·6	943·9	945·2
710	946·6	947·9	949·2	950·6	951·9	953·2	954·6	955·9	957·2	958·6
720	959·9	961·2	962·6	963·9	965·2	966·6	967·9	969·2	970·6	971·9
730	973·2	974·6	975·9	977·2	978·6	979·9	981·2	982·6	983·9	985·2
740	986·6	987·9	989·2	990·6	991·9	993·2	994·6	995·9	997·2	998·6
750	999·9	1001·2	1002·6	1003·9	1005·2	1006·6	1007·9	1009·2	1010·6	1011·9
760	1013·2	1014·6	1015·9	1017·2	1018·6	1019·9	1021·2	1022·6	1023·9	1025·2
770	1026·6	1027·9	1029·2	1030·6	1031·9	1033·2	1034·6	1035·9	1037·2	1038·6
780	1039·9	1041·2	1042·6	1043·9	1045·2	1046·6	1047·9	1049·2	1050·6	1051·9

Tenths of a Millimetre.									
Millimetre.	0·1	0·2	0·3	0·4	0·5	0·6	0·7	0·8	0·9
Millibars.	0·1	0·3	0·4	0·5	0·7	0·8	0·9	1·1	1·2

Table IV.—Temperature. *Degrees Fahrenheit to Degrees Absolute.*

The equations are $A = 273 + \frac{5}{9}(F - 32)$, $F = 32 + \frac{9}{5}(A - 273)$.

Degrees Fahrenheit.	0	1	2	3	4	5	6	7	8	9
	Degrees Absolute.									
−100	199·7	199·1	198·6	198·0	197·4	196·9	196·3	195·8	195·2	194·7
90	205·2	204·7	204·1	203·6	203·0	202·4	201·9	201·3	200·8	200·2
80	210·8	210·2	209·7	209·1	208·6	208·0	207·4	206·9	206·3	205·8
70	216·3	215·8	215·2	214·7	214·1	213·6	213·0	212·4	211·9	211·3
60	221·9	221·3	220·8	220·2	219·7	219·1	218·6	218·0	217·4	216·9
50	227·4	226·9	226·3	225·8	225·2	224·7	224·1	223·6	223·0	222·4
40	233·0	232·4	231·9	231·3	230·8	230·2	229·7	229·1	228·6	228·0
30	238·6	238·0	237·4	236·9	236·3	235·8	235·2	234·7	234·1	233·6
20	244·1	243·6	243·0	242·4	241·9	241·3	240·8	240·2	239·7	239·1
10	249·7	249·1	248·6	248·0	247·4	246·9	246·3	245·8	245·2	244·7
− 0	255·2	254·7	254·1	253·6	253·0	252·4	251·9	251·3	250·8	250·2
+ 0	255·2	255·8	256·3	256·9	257·4	258·0	258·6	259·1	259·7	260·2
10	260·8	261·3	261·9	262·4	263·0	263·6	264·1	264·7	265·2	265·8
20	266·3	266·9	267·4	268·0	268·6	269·1	269·7	270·2	270·8	271·3
30	271·9	272·4	273·0	273·6	274·1	274·7	275·2	275·8	276·3	276·9
40	277·4	278·0	278·6	279·1	279·7	280·2	280·8	281·3	281·9	282·4
50	283·0	283·6	284·1	284·7	285·2	285·8	286·3	286·9	287·4	288·0
60	288·6	289·1	289·7	290·2	290·8	291·3	291·9	292·4	293·0	293·6
70	294·1	294·7	295·2	295·8	296·3	296·9	297·4	298·0	298·6	299·1
80	299·7	300·2	300·8	301·3	301·9	302·4	303·0	303·6	304·1	304·7
90	305·2	305·8	306·3	306·9	307·4	308·0	308·6	309·1	309·7	310·2
100	310·8	311·3	311·9	312·4	313·0	313·6	314·1	314·7	315·2	315·8
110	316·3	316·9	317·4	318·0	318·6	319·1	319·7	320·2	320·8	321·3
120	321·9	322·4	323·0	323·6	324·1	324·7	325·2	325·8	326·3	326·9
+130	327·4	328·0	328·6	329·1	329·7	330·2	330·8	331·3	331·9	332·4

Tenths of a Degree.									
Degrees Fahrenheit.	0·1	0·2	0·3	0·4	0·5	0·6	0·7	0·8	0·9
Degrees Absolute.	0·1	0·1	0·2	0·2	0·3	0·3	0·4	0·4	0·5

Table V.—Rainfall. *Inches to Millimetres.*

Inches.	0	1	2	3	4	5	6	7	8	9
	Millimetres.									
0·0	0·00	0·25	0·51	0·76	1·02	1·27	1·52	1·78	2·03	2·29
0·1	2·54	2·79	3·05	3·30	3·56	3·81	4·06	4·32	4·57	4·83
0·2	5·08	5·33	5·59	5·84	6·10	6·35	6·60	6·86	7·11	7·37
0·3	7·62	7·87	8·13	8·38	8·64	8·89	9·14	9·40	9·65	9·91
0·4	10·16	10·41	10·67	10·92	11·18	11·43	11·68	11·94	12·19	12·45
0·5	12·70	12·95	13·21	13·46	13·72	13·97	14·22	14·48	14·73	14·99
0·6	15·24	15·49	15·75	16·00	16·26	16·51	16·76	17·02	17·27	17·53
0·7	17·78	18·03	18·29	18·54	18·80	19·05	19·30	19·56	19·81	20·07
0·8	20·32	20·57	20·83	21·08	21·34	21·59	21·84	22·10	22·35	22·61
0·9	22·86	23·11	23·37	23·62	23·88	24·13	24·38	24·64	24·89	25·15
1·0	25·40	25·65	25·91	26·16	26·42	26·67	26·92	27·18	27·43	27·69
1·1	27·94	28·19	28·45	28·70	28·96	29·21	29·46	29·72	29·97	30·23
1·2	30·48	30·73	30·99	31·24	31·50	31·75	32·00	32·26	32·51	32·77
1·3	33·02	33·27	33·53	33·78	34·04	34·29	34·54	34·80	35·05	35·31
1·4	35·56	35·81	36·07	36·32	36·58	36·83	37·08	37·34	37·59	37·85
1·5	38·10	38·35	38·61	38·86	39·12	39·37	39·62	39·88	40·13	40·39
1·6	40·64	40·89	41·15	41·40	41·66	41·91	42·16	42·42	42·67	42·93
1·7	43·18	43·43	43·69	43·94	44·20	44·45	44·70	44·96	45·21	45·47
1·8	45·72	45·97	46·23	46·48	46·74	46·99	47·24	47·50	47·75	48·01
1·9	48·26	48·51	48·77	49·02	49·28	49·53	49·78	50·04	50·29	50·55
2·0	50·80	51·05	51·31	51·56	51·82	52·07	52·32	52·58	52·83	53·09

RÉSEAU MONDIAL, JANUARY 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JANUARY 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. — JANUARY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1000·2	1001·1	..	..	..	..	..	..	..	243·6	..	*243·6*	2	..
124																		
125	Upernivik	72 47	W56 7	18·9	999·8	1002·4	−3·3	254·2	274·7	1st	246·5	242·9	8th	250·4	−1·0	*249·8*	2	− 10
126																		
139	Spitsbergen	78 2	E 14 14	11·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
140																		
141	Gjesvaer	71 6	25 22	6·5	997·6	998·3	−4·3	..	277·5	3rd	267·7	260·8	2nd	..	+1·7	*271·1*	63	+ 13
142	Mehavn	71 1	27 47	6·4	998·0	998·5	..	..	277·9	3rd	266·9	262·2	15th	..	..	*270·3*	64	− 12
143	Vardö	70 22	31 8	10·0	999·5	1000·3	−4·1	..	274·6	24th	266·1	262·0	1st	..	+1·6	*269·0*	51	− 19
144																		

Between Latitude 70° N. and 60° N. — JANUARY—ZONE 2.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
209	Dawson	64 4	139 20	321	986·9	1033·2	+6·5	239·0	256·3	4th	232·5	220·8	25th	235·8	−6·1	..	39	+ 16
210	Carcross	60 11	134 34	662	..	..	..	253·8	276·3	6th	245·2	230·2	26th	249·5	..	..	17	..
211																		
212	Fort Simpson	61 52	120 43	129	1009·2	1028·0	..	243·4	264·8	..	234·7	224·6	..	239·1	−5·5	*239·4*	14	− 4
213																		
214	Hay River	60 51	115 20	161	1001·7	1024·8	..	243·8	254·7	3rd	234·7	226·3	25th	239·2	−6·7	..	10	..
225																		
226	Jacobshavn	69 13	51 2	12·6	997·2	999·0	−4·7	258·7	275·7	1st	250·5	242·9	30th	254·6	+0·8	*254·6*	5	− 3
229	Godthaab	64 11	51 44	9	992·3	993·5	−5·6	265·9	277·0	22nd	258·8	253·8	8th	262·4	−0·6	*261·9*	38	− 5
230	Angmagsalik	65 37	37 34	31·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
231																		
232	Stykkisholm	66 5	22 46	11·3	996·6	998·1	−1·4	275·0	282·0	3rd	267·8	262·5	16th	271·4	+0·8	*271·6*	100	+ 30
233	Vestmanno	63 26	20 15	7·7	1000·6	1001·6	+1·6	277·6	281·9	18th	270·1	264·6	11th	273·9	+0·1	*274·1*	223	+112
234	Grimsey (Akureyri)	66 33	17 58	6·8	999·2	1000·1	−1·7	274·0	278·5	3rd	269·5	264·8	1st	271·8	+1·0	*271·9*	2	− 23
235	Berufjord	64 40	14 19	18	1000·7	1003·0	+1·9	275·9	282·2	17th, 18th	268·8	263·0	22nd	272·4	+0·8	*272·4*	109	− 5
236	Thorshavn	62 3	W 6 45	25·7	1009·2	1012·3	+7·7	279·3	284·0	19th	272·0	267·2	12th	275·7	−0·3	..	182	− 1
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1013·1	1018·5	+8·2	..	281·7	17th	272·8	268·7	23rd	..	+0·6	*274·8*	246	+ 43
239	Christiansund	63 7	7 45	17·8	1011·8	1013·1	+5·9	..	282·3	15th	272·6	269·4	29th	..	+0·6	*275·2*	265	+153
240	Trondhjem	63 26	10 25	39·5	1009·5	1013·8	+5·5	..	280·8	19th	268·4	259·9	4th	..	+1·3	*271·7*	160	+ 54
241	Bodö	67 17	14 24	20·5	1004·0	1006·3	+1·1	..	278·8	19th	269·6	265·0	12th	..	+1·3	*272·7*	139	+ 49
242	Haparanda	65 50	24 9	9·2	1007·4	1008·6	−2·1	269·6	277·0	21st, 22nd	259·7	247·4	11th, 12th	264·7	+3·0	*264·9*	28	− 11
242a	Helsingfors	60 10	24 57	11·7	..	1015·6	+1·8	..	276	..	..	254	..	269·8	+3·4	*269·7*	42	+ 7
242a	Kuopio	62 54	27 40	99·7	..	1015·1	+2·7	..	274	..	..	249	..	265·5	+2·4	*265·4*	42	..
243																		
244	Kola	68 53	33 1	6·7	1003·9	1004·8	−2·7	..	274·2	8th	259·7	246·1	14th	264·1	+2·8	*264·1*	39	+ 32
245	Petrozavodsk	61 47	34 23	38·9	1009·1	1014·1	−1·3	..	274·1	22nd	261·3	250·9	15th	265·1	+0·3	*265·0*	..	..
246	Arkhangelsk	64 33	40 32	6·7	..	1012·3	−0·4	..	274	..	..	248	..	261·6	+2·2	*261·5*	13	− 7
247	Velsk	61 5	42 7	? 87	1006·0	1017·6	..	..	270·4	22nd, 23rd	255·9	241·6	20th	260·3	..	*260·2*	19	..
248	Oust-Tsylma	65 27	52 10	? 25	..	1013·9	+2·2	..	271	..	..	233	..	257·6	+2·9	*257·5*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	1002·4	1019·2	..	..	267·0	25th	249·3	231·9	17th	253·6	..	*253·5*	21	..
249																		
250	Berezov	63 56	65 4	39·9	1011·4	1016·8	−0·7	..	265·6	12th	248·1	236·5	17th, 18th	252·3	+1·7	*252·2*	8	− 5
251	Obdorsk	66 31	66 35	24·2	1011·8	1015·1	+1·1	..	262·6	9th	246·5	229·4	17th	251·1	+4·2	*251·0*	8	+ 1
252	Sourgout	61 15	73 24	40	1013·9	1019·4	+1·6	..	260·8	23rd	246·1	229·3	8th	252·0	+3·2	*251·8*	11	− 3
253																		
254	Touroukhansk	65 55	87 38	? 40	1013·2	1018·8	−5·5	..	258·5	28th	239·5	224·9	5th, 19th	244·0	−0·5	*243·9*	17	+ 6
	Doudinka	69 7	87 0	? 20	1012·8	1015·6	..	..	260·1	28th	236·8	220·8	18th	241·8	..	*241·8*	8	..
261																		
262	Olekminsk	60 22	120 26	? 202	..	..	..	..	261·1	27th	..	..	..	..	..	..	24	..
263	Iakoutsk	62 1	129 43	? 108	..	..	..	..	248·5	27th	224·6	218·2	15th	228·4	−1·6	*228·2*	11	+ 6
264	Verkhoïansk	67 33	133 24	? 100	1009·8	1025·6	+2·6	..	233·4	27th	216·3	209·2	22nd	219·2	−3·5	*219·1*	..	..
	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	243·3	27th	223·2	212·9	18th	228·7	..	*228·5*	0	..
271																		
272	Markovo sur Anadyr	64 45	170 50	? 20	1018·7	1021·5	..	..	262·0	25th	242·0	225·7	2nd	248·6	..	..	6	..
	Novo-Mariinskii Post	64 45	177 33	? 3	1021·0	1021·4	..	..	271·1	17th	247·9	236·2	1st	253·1	..	..	11	..
		N. ° ′	E. ° ′	metres	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

JANUARY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
307																		
308																		
309		N.	W.															
310	Prince Rupert	54 18	130 18	52	1000·7	1007·2	..	271·9	281·3	..	267·5	253·6	..	269·7	..	..	389	..
311	Barkerville	53 2	121 35	1274	..	1011·8	..	260·8	273·0	4th	255·2	233·0	10th, 13th	258·0	−7·5	*258·0*	150	+81
312	Kamloops	50 41	120 29	379	..	1016·2	−4·4	264·9	273·3	18th	258·0	238·3	14th	261·4	−7·5	*261·4*	14	−10
313	Calgary	51 2	114 2	1033	..	1017·9	−2·1	260·2	280·8	4th	249·4	230·8	13th	254·8	−7·5	*254·8*	11	0
314	Fort Chipewyan	58 42	111 10	218	994·8	1026·1	..	243·6	256·3	3rd	234·1	223·0	10th	238·8	−9·8	*238·5*	..	..
315	Prince Albert	53 10	106 0	436	963·8	1023·4	+5·1	250·0	268·6	..	240·5	225·2	..	245·3	−8·1	*245·5*	51	+29
316	Qu'Appelle	50 30	103 47	645	936·2	1021·5	+3·2	254·6	272·4	..	243·8	234·1	..	249·2	−7·1	*249·4*	50	+37
317	Minnedosa	50 15	99 50	515	953·8	1022·9	..	254·7	266·3	..	243·0	231·2	..	248·9	−6·0	*249·2*	30	+8
318	Berens River	52 18	97 23	216	..	..	..	252·1	264·1	..	239·2	231·1	..	245·7	..	*246·1*	10	..
318a	Fort Churchill	58 51	94 11	9	1017·5	1018·8	..	241·0	248·6	..	234·5	226·9	..	237·8	−6·0	..	..	..
319	Fort Hope	51 32	87 48	..	984·3	..	..	253·4	279·7	18th	241·4	231·3	3rd, 5th	247·4	−4·2	..	41	+21
320	Moose Factory	51 16	80 56	9	1017·5	1018·7	..	257·2	270·2	1, 9, 30	242·4	233·0	4th, 8th	249·8	−3·2	..	8	−18
321																		
322																		
323	Hebron	58 12	62 21	15·0	1004·4	1006·5	−0·9	252·4	259·6	..	247·0	241·7	..	249·7	−3·1	..	..	..
324	Nain	56 33	61 41	4·2	1007·6	1008·3	+0·7	251·3	269·7	..	244·3	239·0	..	247·8	−5·0	..	..	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	273·0	31st	..	246·9	17th	262·2	−0·1	..	53	−19
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1025·1	1026·8	+12·2	281·8	284·1	25th	277·8	273·6	10th	279·8	+0·1	280·1	73	−78
335	Aberdeen	57 10	2 6	27·4	1018·5	1021·8	+10·5	279·4	283·6	17th	274·9	271·3	3rd	277·2	+0·8	277·2	36	−19
336	Greenwich	51 28	W o 0	48·5	1021·4	1027·5	+11·6	278·6	284·1	26th	274·2	268·6	15th	276·4	−0·2	276·4	31	−10
337	Uccle	50 48	E 4 22	100	1014·7	1027·5	+10·5	275·8	282·2	28th	271·5	263·1	15th	273·7	−1·1	273·7	37	−27
338	De Bilt	52 6	5 11	3·0	1026·3	1026·7	+12·6	276·7	283·8	27th	271·8	263·6	14th, 15th	274·3	−1	274·2	29	−23
338a	Hamburg	53 33	9 59	26·0	1021·5	1024·7	+7·2	276·9	281·7	26th	273·2	268·9	14th	275·1	+3·7	274·8	28	−20
339	Copenhagen	55 41	12 36	5·0	1021·4	1022·0	+6·9	276·6	281·1	20th	272·9	267·4	31st	274·8	+2·6	*275·0*	17	−13
340	Potsdam	52 23	13 4	84·9	1014·3	1025·1	+7·9	275·3	280·5	27th	270·6	264·2	7th	273·0	+0·5	272·9	40	−1
340a	Upsala	59 51	17 38	24·0	1014·2	1017·3	+4·5	273·1	278·6	19th	267·4	259·5	14th	270·3	+1·5	270·5	38	+6
341	Warsaw	52 15	21 1	127	1006·6	1022·8	+3·7	273·8	278·3	6th	270·3	259·1	31st	272·1	+4·0	*272·1*	40	+11
342	Jurjev	58 23	26 43	74·5	1008·1	1017·7	+1·7	271·2	275·5	..	264·7	256·0	..	267·9	+5·2	268·4	26	−9
343	Petrograd	59 56	30 16	4·8	..	1016·4	+0·6	..	275	..	..	253	..	266·7	+3·0	*266·6*	20	−5
344	Kiev	50 27	30 30	182·9	..	1020·6	−0·8	..	274	..	..	254	..	266·9	+0·2	*266·8*	59	+29
344a	Moscow	55 45	37 34	156	1000·4	1021·0	+0·4	264·9	271·0	21st	259·2	251·5	5th	262·1	+2·2	262·2	12	−18
345	Saratov	51 32	46 3	59·9	..	1022·7	+1·5	..	270	..	..	244	..	259·2	−2·5	*259·1*	22	8
346	Kazan	55 47	49 8	79·8	1012·2	1022·9	−0·2	..	268·4	14th	..	243·6	17th	256·8	−2·2	*256·7*	13	2
347	Orenburg	51 45	55 6	114·1	..	1024·7	−1·9	..	265	..	..	243	..	255·1	−2·2	*254·9*	11	−14
348	Perm	58 1	56 15	163·0	..	1022·6	+2·3	..	265	..	..	244	..	254·5	−2·5	*254·3*	28	+13
349	Ekaterinburg	56 50	60 38	288·9	..	1023·2	−0·8	..	267	..	..	246	..	257·0	+0·5	*256·8*	13	+3
350	Tobolsk	58 12	68 14	108·3	1008·7	1023·5	..	..	263·2	20th	250·9	243·6	8th	254·4	+0·5	*254·2*	3	−12
351	Akmolinsk	51 12	71 23	? 347	981·1	1025·3	−5·5	..	269·1	19th	250·6	237·5	9th	255·6	+1·1	*255·4*	17	+11
352	Omsk	54 58	73 23	87·3	1013·8	1025·8	−1·7	..	264·6	17th	248·8	238·8	8th	253·1	−0·4	*252·9*	5	−15
353	Barnaoul	53 20	83 47	157·7	1007·6	1029·1	−3·2	..	272·3	24th	249·0	228·1	9th	254·7	+0·6	*254·4*	7	−6
354	Tomsk	56 30	84 58	121·6	1010·3	1027·1	−2·3	..	271·0	24th	248·0	230·9	9th	252·7	−0·6	*252·5*	14	−14
355	Minousinsk	53 43	91 41	? 255	996·7	1031·1	..	..	272·2	1st	249·4	237·6	9th	254·9	..	*254·6*	9	0
356	Eniseisk	58 27	92 11	84·4	1014·6	1026·3	−4·9	..	272·0	25th	246·3	230·1	8th	251·7	+2·2	*251·5*	16	−2
357	Irkutsk	52 16	104 19	467·0	967·4	1030·4	−4·8	..	269·2	13th	249·2	239·6	7th, 20th	254·8	+2·6	*254·5*	13	+6
358	Kirensk	57 47	108 7	? 263	991·5	1027·8	..	..	267·4	26th	241·4	227·1	20th	248·2	..	*248·0*	37	..
359	Tchita	52 2	113 30	673·8	939·1	1028·7	..	..	265·8	19th	243·1	232·0	11th	248·7	..	..	10	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	962·4	1030·4	..	..	259·5	27th	237·4	221·9	1st	242·4	..	*242·2*	24	+21
360a	Nertchinsk	51 59	116 35	484·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	? 370	977·5	1029·1	..	..	260·4	29th	235·0	228·4	8th	243·1	..	*242·8*	4	..
362	Blagoveshchensk	50 15	127 38	? 160	..	1022·8	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	264·9	31st	233·1	226·6	16th	241·7	..	*241·5*	16	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1016·6	1019·5	+1·9	..	261·4	3rd	241·8	233·5	1st	247·6	−2·2	*247·4*	21	+5
366	Okhotsk	59 21	143 17	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk	52 53 N.	158 47 E.	87·1	1000·0	1011·3	+9·4	..	271·8	14th	262·9	255·7	5th	265·8	+1·7	..	25	..
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

JANUARY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1012·8	−4·5	277·4	283·1	6th	273·3	263·5	13th	275·4	−2·2	275·4	109	−6
412	Portland, Oregon	45 32	122 41	46·6	1010·9	1016·6	−2·0	278·9	285·2	8th	274·2	268·0	15th	276·6	−0·4	*276·3*	217	+51
413	Macleod	49 44	113 24	954	..	..	..	264·4	282·4	4th	249·3	230·2	12th	256·8	−8·5	*256·8*	31	+19
414	Helena	46 34	112 4	1253	869·6	1017·3	−3·7	269·9	282·4	30th	260·2	240·2	12th	265·1	−1·2	*265·1*	45	+21
414a	Salt Lake City	40 46	111 54	1331	868·3	1018·6	−2·4	279·4	288·6	31st	271·3	258·6	2nd	275·3	+4·2	*275·1*	32	−3
415	Cheyenne	41 8	104 48	1856	810·3	1017·3	−0·3	278·9	288·0	31st	266·8	244·7	2nd	272·9	+3·4	*272·7*	13	+2
416	North Platte	41 8	100 45	860	917·9	1021·3	+1·4	278·7	293·6	10th	262·5	243·0	3rd	270·6	+3·5	*270·3*	7	−5
416a	Bismarck	46 47	100 38	510·2	956·6	1021·3	+1·0	263·7	275·8	9th	250·0	239·7	2nd	256·8	−2·6	*257·1*	38	+24
417	Winnipeg	49 53	97 7	231·6	..	1022·8	+2·5	254·7	266·6	23rd	244·5	234·7	11th	249·6	−4·2	*250·0*	11	−14
418	Duluth	46 47	92 6	345·3	975·6	1019·6	+0·7	263·9	274·7	24th	251·9	238·6	3rd	257·9	−3·1	*258·0*	29	+4
419	Port Arthur	48 27	89 12	196·3	..	1019·6	+1·0	264·5	274·7	10th	250·4	238·6	3rd	257·4	−1·7	*257·4*	14	−3
420	Chicago	41 53	87 37	250·9	989·6	1020·6	+1·4	275·6	285·2	26th	267·3	255·2	5th	271·4	+3·1	*271·5*	30	−21
421	Toronto	43 40	79 24	106·7	..	1020·2	+1·9	273·6	279·7	2nd	265·7	254·3	16th	269·6	+1·7	269·0	53	−18
422	New York	40 43	74 0	96	1009·1	1021·3	+2·0	278·1	285·2	2nd	271·0	263·6	5th	274·6	+3·0	275·8	58	−39
423	St. John, N.B.	45 17	66 4	21·3	..	1017·6	+1·7	272·8	281·3	2nd, 3rd	261·4	247·4	17th	267·1	+0·9	*267·3*	84	−32
424	S. W. Point, Anticosti	49 24	63 35	9	1011·8	1013·0	+0·5	267·2	275·8	..	253·0	235·8	..	260·1	..	..	31	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1016·2	1017·2	..	275·9	281·3	..	268·2	256·3	..	272·1	..	..	205	+64
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1011·0	−0·2	271·7	286·9	4th	263·3	249·7	17th	267·5	−1·2	..	132	−28
435	Madrid	40 24	3 41 W	655·4	945·5	1024·7	+2·8	282·3	288·3	21st	270·3	267·6	2nd	276·3	−1·7	275·6	13	−21
436	Nantes	47 15	1 34 W	41·4	1022·6	1027·9	+9·1	277·6	282·6	10th	273·2	270·1	31st	275·4	−2·7	*275·1*	15	−43
437	Paris (Parc St. Maur)	48 49	2 29 E	50·3	1021·5	1027·9	+9·6	276·2	280·9	10th, 29th	271·7	266·9	16th	274·0	−1·5	273·8	14	−22
438	Marseilles	43 18	5 23	75·0	1010·7	1020·1	+3·1	283·2	290·0	20th	273·4	268·0	5th	278·3	−1·7	*277·6*	54	+16
438a	Zürich	47 23	8 33	493·2	966·7	1028·6	+6·4	..	275·8	26th, 27th	..	262·8	17th	269·3	−2·3	269·3	28	−21
439	Rome	41 54	12 29	63·4	..	1018·8	+1·7	283·0	287	18, 20, 21	275·4	272	31st	279·2	−1·1	*278·8*	75	−4
440	Vienna	48 15	16 22	202·5	999·9	1025·6	+5·0	273·6	279·4	27th	270·1	262·5	15th	271·9	+1·4	272·2	26	−11
440a	Buda-Pesth	47 30	19 2	129·6	1007·5	1023·9	+2·2	276·2	280·5	27th	271·9	262·0	31st	274·1	+3·1	*273·8*	17	−22
441	Bucharest	45 25	26 6	82	1011·2	1021·6	+0·3	276·3	285·1	5th	269·9	262·3	31st	272·9	+3·1	..	25	−6
442																		
443	Odessa (University)	46 29	30 46	65·3	1012·3	1020·7	−1·1	272·0	277·5	1st	267·4	256·6	31st	269·7	0·0	*269·7*	27	+3
444	Kharkov (University)	50 0	36 14	140	..	1021·4	+0·2	..	273	..	..	251	..	264·0	−0·7	*263·9*	23	−2
444a	Novorossiisk	44 40	37 49	37	..	1016·6	−6·6	..	289	..	..	261	..	273·4	−1·4	*273·3*	83	−22
445	Tiflis	41 43	44 48	409	..	1019·8	−3·4	..	282	..	..	261	..	270·6	−2·6	*270·5*	3	−12
446	Astrakhan	46 21	48 2	−14	..	1021·6	−2·8	..	274	..	..	248·	..	261·9	−3·9	*261·7*	17	+2
447	Fort Alexandrovsk	44 31	50 16	24	1015·8	1018·9	−5·4	..	274·8	13th	..	..	..	265·8	−3·1	*265·7*	48	+42
448	Krasnovodsk	40 0	52 59	−15	..	1014·2	−8·7	..	282	..	..	263	..	274·5	−0·2	*274·4*	14	−11
449	Tachkent	41 20	69 18	478·3	962·3	1021·4	−5·7	..	284·0	22nd	268·4	259·3	15th	272·4	+0·5	*272·2*	41	+3
450	Irgiz	48 37	61 16	112	1007·1	1022·2	..	..	267·0	25th	..	..	..	257·4	+0·6	*257·2*	8	−5
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	267·0	25th	254·0	245·2	4th	259·7	+3·1	*259·5*	45	+35
452	Vernyi	43 16	76 53	? 835	922·5	1026·0	−2·4	..	280·1	17th	..	..	..	265·9	+1·7	*265·7*	43	+15
461	Mukden	41 48	123 23	43·8	1021·2	1027·1	−0·6	266·5	274·0	20th	253·1	242·3	12th	259·8	−0·3	..	10	+4
462	Joshin	40 40	129 11	4·0	1021·9	1024·4	+1·8	271·7	277·3	31st	258·9	249·2	23rd	265·3	−2·5	..	40	+20
463	Vladivostok	43 7	131 54	15·7	1021·9	1024·0	−0·3	..	272·0	20th	252·2	246·4	16th	257·6	−0·7	*257·5*	15	+13
464																		
465																		
466	Ochiai	47 20	142 44	15·0	1014·6	1016·6	..	265·8	274·5	12th	250·7	237·9	28th	258·3	..	258·3	34	..
	Nemuro	43 20	145 35	26·7	1011·6	1015·2	+4·1	271·2	280·2	12th	263·5	259·6	2nd	267·4	−0·4	267·5	94	+69
		N.	E.															

Between Latitude 40° N. and 30° N.

JANUARY—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1012·3	1017·9	−1·7	286·5	295·2	6th	280·7	278·0	22nd	283·6	+0·8	*283·4*	350	+230
512	San Luis Obispo	35 18	120 39	61·3	1012·2	1019·6	+0·7	289·1	298·6	7th	279·8	273·6	11th	284·4	+0·9	*284·2*	364	+246
513	Modena	37 48	113 54	1670	834·8	1019·6	+0·3	277·8	284·7	7th	268·8	254·1	3rd	273·3	+2·8	*273·1*	50	+32
514	San Diego	32 43	117 10	26·5	1015·9	1019·3	+1·0	290·5	298·0	29th	282·4	278·0	12th	286·4	+1·2	*286·2*	85	+34
515	Santa Fé	35 41	105 57	2138	788·6	1021·3	+4·1	279·8	287·4	30th	268·9	250·8	3rd	274·3	+3·3	*274·0*	11	−3
516	Denver	39 45	105 0	1613	835·5	1016·6	−1·0	283·9	293·6	30th	268·9	245·8	2nd	275·4	+5·1	*275·1*	3	−8
517	Abilene	32 23	99 40	529·7	958·9	1021·0	+2·0	290·0	305·2	31st	277·7	258·0	3rd	283·8	+4·9	*283·6*	14	−9
518	Saint Louis	38 38	90 12	172·8	1000·8	1022·0	+1·4	279·9	296·3	11th	269·9	254·1	3rd	274·9	+2·5	*274·8*	22	−36
519	Mobile	30 41	88 2	17·4	1022·3	1024·4	+3·4	291·8	298·0	28th	282·5	265·2	4th	287·2	+4·2	*286·9*	46	−77
520	Nashville	36 10	86 47	166·4	1004·2	1024·7	+3·4	284·7	298·6	29th	274·9	255·8	4th	279·8	+3·4	*279·6*	51	−72
521	Charleston	32 47	79 56	14·6	1022·7	1024·4	+3·4	289·4	296·9	28th	279·8	270·8	5th	284·7	+2·1	*284·5*	14	−73
522	Washington	38 54	77 3	34·1	1018·3	1022·7	+2·4	281·3	293·0	27th	271·7	263·6	24th	276·5	+2·9	*276·4*	74	−11
523																		
524	Bermuda	32 17	64 46	46·0	..	1025·3	+4·8	291·9	295·2	23rd	286·2	281·6	17th	289·1	−0·9	..	45	−79
531	Horta	38 32	28 38	30	..	1023·1	+0·5	290·3	292	2nd	287·2	282	28th	288·8	+1·1	..	89	+18
532	Ponta Delgada	37 44	25 40	17	..	1024·8	+5·2	289·4	291	sev. dates	286·1	282	28th	287·8	+0·7	..	34	−72
533	Madeira (Funchal)	32 37	16 54	25	1023·2	1026·2	+5·0	291·1	294·0	3rd	282·1	279·5	20th	286·6	−0·7	..	16	−87
534	Lisbon	38 43	9 9	95·4	1012·7	1024·4	+2·7	284·8	287·4	19th	277·9	275·0	5th	281·4	−2·0	*281·3*	30	−60
535	Casablanca	33 37	7 35	17	..	..	..	..	287·3	28	279·3	277·0	..	283·3	−1·7	..	67	+23
536	Gibraltar	36 6	5 21	16	1017·6	1019·5	−0·1	288·1	292·4	22nd	..	..	..	283·2	−2·6	*283·0*	141	+11
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JANUARY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1014·7	1019·4	+1·0	287·1	291·1	27th	281·1	278·1	5th	284·1	−1·7	*283·5*	136	+ 32
538	Palma	39 33	2 42	23	..	1021·2	+2·7	285·0	288	21, 28, 29	278·1	275	4th, 9th	281·6	−1·2	..	92	+ 55
538*a*	Tunis	36 48	10 10	43	1014·5	1019·8	+0·5	284·7	288·0	14th	278·0	274·0	6th	281·4	−2·1	..	78	+ 32
539	Malta	35 54	14 31	59	..	1018·6	+0·9	287·0	290	14th, 15th	282·8	278	1st	284·9	−0·3	..	119	+166
540	Catania	37 30	15 3	64·9	1010·0	1018·0	+0·6	285·4	288·0	27th	278·5	275·3	4th	282·0	−1·2	..	261	− 34
541	Athens	37 58	23 43	107·1	..	1019·2	+0·5	284·2	290	6th	278·0	272	26th, 31st	281·1	−0·5	*280·9*	20	− 30
542	Alexandria	31 9	29 54	32·0	..	1018·3	−0·7	291·0	294	1st, 6th	283·2	280	18th	287·1	−0·1	*287·1*	28	..
543	Cairo (Helwan)	29 52	31 20	115·6	..	1018·3	−1·6	290·6	297	5th	280·6	275	27th	285·6	0·0	285·4	4	− 7
544	Nicosia	35 12	33 24	152	..	1017·6	−0·3	286·8	291	3rd, 4th	272·8	269	28th	279·8	−2·3	..	113	+ 47
544*a*	Beirut	33 54	35 28	52·4	..	1015·5	−2·3	288·1	298	15th	281·1	274	29th	284·6	−1·6	..	163	+ 22
545	Baghdad	33 21	44 28	38·7	1015·0	1019·8	−0·8	282·7	289·3	3rd	273·4	268·4	30th	278·1	−4·5	..	62	+ 27
546	Lenkoran	38 46	48 52	−19	1021·0	1018·5	−4·7	..	282·4	15th	270·3	264·4	18th	273·5	−3·0	*273·4*	32	+ 3
547	Busrah	30 31	47 53	7·6	1019·1	1020·0	−2·4	283·5	288·6	6th	275·4	268·7	22nd	279·4	−4·4	..	33	+ 24
548	Meshed	36 16	59 35	946	904·8	1019·6	..	276·8	282·1	3rd	261·0	257·6	13th	268·9	−4·6	..	35	+
549	Quetta	30 11	67 3	1677	832·2	..	−2·4	279·2	286·7	24th	271·5	264·2	31st	275·4	−2·3	*275·0*	138	+ 86
550																		
551	Lahore	31 34	74 20	214	990·2	1015·9	−2·5	291·8	297·9	23rd, 24th	282·1	277·6	30th	286·9	+1·3	*285·8*	65	+ 37
551*a*	Simla	31 7	77 8	2204·3	780·2	..	−1·0	280·8	288·7	22nd	275·3	268·2	28th	278·1	+0·9	*277·7*	255	+186
552	Leh	34 10	77 42	3506	662·0	..	−2·7	270·5	277·5	24th	260·5	248·6	31st	265·5	−0·4	*264·4*	13	+ 5
552*a*	Dehra Dun	30 20	78 0	681	937·1	1016·1	−1·8	291·5	296·6	12th, 23rd	281·1	274·4	28th	286·3	+0·2	*285·8*	230	+169
559	Hang Kow	30 35	114 17	37·0	1021·3	1025·9	−1·3	279·7	288·1	3rd	273·1	269·1	12th, 19th	276·4	−1·1	..	53	− 25
560	Tiensin	39 10	117 10	5·0	1026·7	1027·3	−0·9	272·9	277·3	2nd	262·8	255·7	13th	267·9	−1·2	..	23	+ 18
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1023·3	1024·1	−2·3	281·4	289·9	4th	273·7	266·4	12th	277·6	+1·1	276·8	34	− 21
562	Chemulpo	37 29	126 32	67·6	1016·2	1025·0	+0·3	272·8	282·6	29th	265·0	255·9	13th	268·9	−2·0	268·7	32	+ 19
562*a*	Nagasaki	32 44	129 52	133·0	1004·5	1021·0	−0·8	282·9	291·1	30th	274·7	269·5	24th	278·8	−0·3	278·5	95	+ 17
563	Kioto	35 1	135 46	49·4	1014·5	1020·7	+1·1	282·2	289·0	30th	270·7	265·7	25th	276·5	+0·6	275·8	86	+ 29
564	Tokio	35 41	139 45	21·3	1015·8	1018·4	+2·1	279·8	285·4	29th	271·9	267·6	2nd	275·9	−0·4	275·5	98	+ 42
565	Miyako	39 38	141 59	30·4	1014·1	1017·9	+2·9	279·0	287·9	22nd	267·1	263·4	16th	273·1	0·0	272·0	62	− 4
566																		
		N.	E.															

JANUARY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1012·8	1014·1	−0·5	296·7	299·1	..	291·4	287·4	..	294·1	−0·6	..	103	+ 5
606																		
615	Zacatecas	22 47	102 35	2610	749·6	..	..	286·9	291·2	10th	277·5	272·8	5th	282·2	..	..	0	..
616	Leon	21 7	101 41	1798·6	824·8	..	+0·5	294·1	296·5	9th	279·7	275·5	13th	286·9	+0·2	..	0	.. 8
617	Galveston	29 18	94 50	16·5	1021·3	1023·3	+3·0	290·7	295·8	17th	285·3	265·8	3rd	288·0	+3·5	*288·0*	23	+ 69
618	New Orleans	29 58	90 4	15·5	1022·1	1024·0	+3·7	293·6	300·2	22nd	284·5	267·4	4th	289·1	+4·4	*288·8*	59	+ 59
619	Havana	23 8	82 22	24·3	..	1021·4	+2·7	..	300·4	2nd	..	289·1	9th	294·7	+0·2	*294·6*	60	− 5
620	Key West	24 33	81 48	6·7	1020·8	1021·7	+2·4	297·1	299·7	3rd	291·5	286·3	5th	294·3	+0·9	*294·2*	16	− 34
621	Nassau, Bahamas	25 5	77 21	7·6	1019·8	1020·7	+0·6	297·7	299·7	31st	293·2	290·8	31st	295·5	+0·8	..	18	− 38
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	290·7	293·6	..	284·5	282·0	..	287·6	−1·6	..	62	− 28
634	Las Palmas, Canary Islands	28 7	W15 26	7	1022·2	1023·0	+0·8	294·1	298·6	3rd	286·2	283·4	30th	290·2	−0·1	..	17	− 27
637	Insalah	27 17	E 2 27	330	983·2	1023·3	−1·6	289·5	293·0	28th	274·6	271·0	20th	282·1	−3·2	*281·7*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1021·0	−1·6	294·8	303	6th	..	..	..	..	..	..	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1016·8	−2·7	298·3	307	5th	283·9	276	28th	291·1	+2·2	*291·1*	..	..
643	Suez	29 57	32 32	3·4	..	1017·9	−0·5	291·6	296	5th	282·5	279	24th	287·0	+0·6	..	4	− 4
644	Aswan	24 2	32 53	99·6	..	1017·8	−1·6	296·7	306	13th	283·8	280	28th	290·2	+0·8	*289·9*	..	..
647	Bushire	28 59	50 53	4	1017·0	1017·6	−2·0	286·1	289·8	22nd	279·4	274·7	31st	282·8	−4·6	..	107	+ 28
648	Jask	25 44	57 47	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
649	Kurrachee	24 53	66 57	4	1016·0	1016·5	−1·5	295·4	302·7	23rd	287·0	281·3	27th	291·2	−1·0	*291·0*	13	− 4
650	Hyderabad, Sind	25 24	68 18	29	1012·9	1016·4	−1·7	295·1	302·7	24th	283·9	277·2	27th	289·4	−1·3	..	3	− 3
651	Jaipur	26 56	75 52	436	965·5	1016·3	−2·0	297·2	302·8	24th	284·6	275·3	27th	290·8	+1·6	*290·0*	18	+ 3
652	Nagpur	21 8	79 5	310	979·9	1015·8	−1·2	302·0	304·7	23rd	287·4	282·3	29th	294·7	+0·8	*294·3*	27	+ 10
653	Allahabad	25 25	81 51	91	1003·8	1015·0	−2·7	297·7	300·8	2nd	285·4	277·7	28th	291·5	+2·3	*290·6*	22	+ 5
654	Calcutta	22 36	88 23	6	1003·9	1014·7	−2·3	300·6	303·4	28th	287·8	281·9	29th	294·2	+2·2	*293·6*	1	− 8
655	Gauhati	26 8	91 41	59	1008·3	1015·4	..	297·3	299·6	16, 17, 19	285·1	278·3	29th	291·2	..	..	37	+ 21
655*a*	Cherrapunji	25 15	91 42	1313	868·6	..	..	288·3	291·7	6th	280·7	273·9	29th	284·4	..	..	79	+ 58
656	Shillong	25 33	91 48	1500	849·7	..	..	289·6	291·8	16th, 17th	278·1	270·6	29th	283·8	..	..	47	+ 33
656*a*	Akyab	20 11	92 56	6	1013·2	1014·0	−1·8	299·6	301·6	9th, 10th	288·8	284·7	30th	294·2	−0·2	*293·7*	2	+ 1
657	Phu Lien	20 48	106 37	115·6	1002·7	1016·5	−0·8	293·7	302·8	31st	287·3	281·6	17th	290·5	−0·7	289·5	7	− 20
658	Moncay	21 31	107 51	10	1015·7	1016·9	−1·6	292·6	299·4	30th	285·7	280·8	16th	289·2	−0·4	*288·5*	10	− 45
659																		
660	Hong Kong	22 18	114 10	33·2	1013·7	1017·7	−1·4	290·3	296·6	5th	286·1	281·6	19th	288·2	−0·7	287·9	19	− 18
661	Taihoku, Formosa	25 2	121 31	9·3	1017·8	1018·9	−1·4	291·3	299·1	30th	285·3	281·2	19th	288·3	−0·9	287·8	152	+ 61
662	Naha	26 13	127 41	10·5	1016·6	1017·8	−1·7	292·2	296·7	30th	286·0	282·4	1st	289·1	−0·4	289·0	125	− 14
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

JANUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	..	..	..	..	..	289·0	..	..	0	..
716	Morelia	19 14	100 7	1933	812·5	..	..	293·1	295·7	22nd	278·9	276·6	14th	286·0	..	*286·5*	13	..
717	Salina Cruz	16 12	95 16	56·3	1009·0	1015·6	..	..	304·2	19th	..	290·9	3rd	298·1	..	..	0	..
718	Mexico	19 26	99 8	2280	782·2	..	+2·2	291·5	294·0	9th	277·9	274·9	4th	284·7	−0·9	284·5	2	− 1
718*a*	Oaxaca	17 4	96 44	1563	849·2	..	..	296·7	302·7	22nd	280·8	278·0	6th	288·8	..	*288·6*	0	..
719	Belize	17 29	88 12	2·1	..	..	..	300·7	304·7	7th	295·8	291·9	10th	298·2	+0·4	*297·3*	320	+155
720	San Salvador	13 44	89 9	657	938·5	1012·2	+0·2	304·6	306·6	22nd	288·3	285·8	18th	296·5	+1·0	..	10	+ 8
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·7	+1·1	302·1	303·4	1st	292·3	290·5	30th	297·2	−0·5	*296·6*	40	+ 6
722	Port au Prince	18 34	72 22	37·4	1012·7	1017·0	+3·8	304·2	305·9	..	292·5	291·1	..	298·4	0·0	297·6	2	− 29
723	St. Croix (Christiansted)	17 45	64 42	6·6	1014·4	1015·3	..	299·1	300·8	..	295·3	294·1	..	297·2	..	..	72	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·9	1013·8	+0·6	300·2	301·9	8th	294·8	293·6	sev. dates	297·5	−0·5	*297·1*	127	+ 14
725	Barbados	13 8	59 36	55·2	..	1011·9	−0·4	300·5	302·2	..	295·3	290·4	..	297·9	−0·5	*297·7*	43	− 26
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1016·7	1018·0	+3·0	296·0	299·0	3rd	292·3	290·0	26th	294·1	−0·6	..	0	− 3
732	San Tiago, C. Verde Is.	14 54	23 31	34	1015·4	1019·4	..	297·3	300·9	5th	292·4	290·5	21st	294·9	−0·3	..	3	0
733	Bathurst	13 24	16 36	1·5	1012·1	1012·3	−0·4	303·4	306·9	4th	289·8	286·9	12th	296·6	+0·2	*296·1*	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	307·4	309·7	26th	288·1	283·0	6th	297·8	−0·7	..	0	− 1
735	Ségou	13 34	6 17	? 272	..	..	..	302·4	305·8	6th	286·1	281·6	5th	294·3	..	..	0	..
736	Timbouctoo	16 43	W 2 52	250	986·2	1015·2	+0·7	..	..	..	..	..	..	..	..	..	0	..
737	Sokoto	13 2	E 5 14	354	..	..	..	303·6	307·4	1, 15, 17	289·8	283·6	26th	296·7	+0·6	..	0	0
738	Kontagora	10 24	5 24	400	..	..	..	307·5	310·2	3, 16, 19	289·9	286·9	22nd	298·7	−0·1	..	0	0
739	Maiduguri	11 48	13 12	370	..	..	..	307·4	311·3	18th	289·4	284·1	29th	298·4	+2·1	..	0	0
740	Katagum	12 17	10 22	329	..	..	..	303·3	307·4	17th	288·9	283·6	30th	296·1	+0·9	..	1	+ 1
743	El Obeid	13 11	30 14	585	..	1013·8	−2·4	305·6	311·4	26th	285·9	278·5	30th	295·8	+2·3	*296·4*	0	0
744	Khartoum	15 37	32 33	390	..	1013·0	−0·8	304·8	312·1	26th	288·6	281·1	29th	296·7	+1·6	*296·6*	0	0
746	Aden	12 45	45 3	28·7	1011·5	1014·7	−1·5	300·2	302·2	25th, 30th	296·3	294·1	1st	298·2	+0·4	*297·6*	21	+ 13
751	Bombay	18 54	72 49	11·3	1012·8	1014·2	−1·3	301·4	305·5	23rd	293·7	289·4	28th	297·6	+0·5	*297·2*	2	− 1
752	Mysore	12 18	76 40	768	929·0	1014·3	−0·9	302·3	304·1	29th, 31st	288·4	285·2	13th	295·4	+0·4	295·4	0	0
752*a*	Kodaikanal	10 13	77 28	2343	771·2	..	−1·2	291·2	295·2	15th	281·9	279·1	26th	286·6	+0·8	285·6	5	− 66
753	Madras	13 4	80 14	6·7	1013·7	1014·5	−1·2	302·9	305·2	29th	293·0	290·2	30th	297·9	+0·5	297·7	0	− 13
754	Waltair	17 45	83 16	68·9	1007·1	1015·1	−1·6	301·1	303·1	21st	292·9	290·4	2nd	297·0	..	*296·6*	0	− 4
755	Port Blair	11 40	92 40	17·7	1010·6	1012·6	−0·9	303·1	303·9	16th	296·4	294·1	29th	299·7	−0·4	*299·3*	0	− 26
756	Rangoon	16 46	95 48	5·5	1013·0	1013·7	−1·2	304·1	305·6	8th, 9th	291·7	289·3	12th	297·9	+0·1	*296·8*	0	− 3
757	Saigon	10 46	106 42	11·2	1010·4	1011·7	+0·2	306·4	308·8	31st	293·7	292·0	18th, 22nd	300·1	+0·4	..	12	− 8
758	Nhatrang	12 16	109 12	6·8	1012·3	1013·1	−0·8	302·2	304·1	14th	292·7	290·7	4th	297·5	−0·3	..	4	− 55
759	Bolinao	16 24	119 53	7·5	..	1010·4	−2·1	303·6	306·7	31st	295·0	290·5	9th	299·3	..	..	3	− 7
760	Vigan	17 34	120 23	14·7	..	1010·6	−2·3	303·4	305·4	7th	293·9	291·8	21st	298·7	−0·3	298·1	0	0
761	Manila	14 35	120 59	14·2	..	1010·7	−1·7	303·9	306·5	31st	293·7	291·4	4th	298·8	0·0	298·0	8	− 19
762	Ormoc	11 0	124 36	5·6	..	1009·2	−1·8	303·3	304·8	27th	293·9	290·7	3rd	298·6	0·0	298·1	86	− 91
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	301·8	302·6	15, 17, 20	297·0	295·8	13th	299·4	..	..	79	..
		N.	E.															

Between Latitude 10° N. and 0°.

JANUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	?1010·6	?1011·0	−0·1	301·9	303·0	17th	297·2	294·9	6th	299·6	−0·3	*298·7*	36	−304
819	Culebra	9 10	79 40	123·1	..	1011·5	+0·2	303·0	304·7	15th	293·6	291·9	8th	298·3	−0·5	..	1	− 46
823																		
825	El Peru, Guayanavieja	7 30	62 0	? 300	985·2	..	..	303·1	304·7	26th	291·6	287·7	6th	297·3	..	..	64	..
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	1013·1	1013·3	+0·9	302·0	302·6	15, 16, 26	296·0	295·2	3, 15, 30	299·0	−0·2	..	258	+ 41
826*a*	Paramaribo	5 49	55 9	4	1012·3	1012·8	..	301·0	302·6	1st	295·4	293·9	2nd, 13th	298·2	..	297·7	227	+ 2
833	Cayenne	4 56	52 21	6	..	..	..	300·9	302·8	2nd	295·6	292·6	28th	298·3	−1·1	..	464	+ 69
834	Conakry	9 31	13 43	16	1008·7	1010·5	−0·4	304·0	305·8	..	295·2	293·4	..	299·6	+0·2	..	0	0
835	Sierra Leone	8 30	13 9	68·3	1002·2	1010·1	−0·5	305·9	308·8	29th	296·2	293·8	24th	301·1	+0·5	..	0	− 11
836	Cape Coast Castle	5 5	1 13	..	..	..	..	302·4	303·6	5, 16, 31	295·4	294·1	2, 6, 15	298·9	−0·9	..	69	+ 46
	Accra	5 35	W 0 6	18	..	..	..	303·7	305·2	19, 24, 26	294·0	285·2	16th	298·9	−0·8	..	20	+ 2
837	Lagos	6 22	E 3 28	7·6	1011·0	1011·9	+1·9	302·5	304·7	..	292·7	291·3	..	297·6	−2·6	..	116	+ 84
838	Zungeru	9 48	6 10	130	995·2	1010·1	−1·0	307·7	310·2	24th	291·8	288·6	21st, 26th	299·8	+0·1	..	0	− 1
838*a*	Libreville	0 23	9 26	35	..	..	..	302·7	..	..	295·9	..	..	299·3	−0·5	..	134	−135
839	Yola	9 12	12 30	259	..	..	..	306·8	310·2	16th, 17th	294·9	291·3	27th, 28th	300·9	+1·6	..	0	0
841	Kafia Kingi	9 22	24 18	596	944·7	1010·6	..	..	..	..	..	..	..	297·2	..	..	0	..
842	Wau	7 42	28 3	440	..	..	..	307·7	311	25th	289·4	283	18th	298·6	..	..	0	− 2
843	Entebbe	0 5	32 29	1177	881·6	..	−0·7	299·8	303·0	11th	289·7	287·7	29th	294·8	−0·1	*294·7*	68	− 4
844	Nandi	0 2	35 5	2010	..	..	..	301·9	304·1	27th	282·6	281·9	16th	292·3	+0·7	..	3	− 48
845																		
851	Cothin	10 0	76 21	2·7	1012·2	1012·5	−1·0	304·9	307·3	22nd	295·3	293·4	12th, 20th	300·1	+0·3	*299·7*	0	− 14
852	Colombo Observatory	6 54	79 53	7·3	1009·2	1010·0	−0·4	303·8	305·3	21st	294·2	291·1	27th, 28th	299·0	−0·3	*298·6*	148	+ 5
853	Candy	7 18	80 40	504·5	..	..	..	300·6	302·4	31st	291·7	287·4	28th	296·2	+0·1	..	64	− 54
855	Medan	3 35	98 41	23·5	..	1010·4	−0·8	303·6	305·6	21st	294·1	292·3	29th	298·9	..	..	100	− 30
856																		
857	Penang	5 34	100 20	5·0	1008·0	1008·6	−2·0	304·6	305·8	18th	296·0	294·7	19th	300·3	−0·1	..	102	− 7
858	Singapore	1 17	103 51	3·0	1009·6	1009·9	−0·1	302·5	305·8	28th	295·3	294·2	13th	298·9	−0·3	..	294	+ 52
860	Sandakan	5 49	118 12	..	..	..	..	303·9	305·2	22nd	296·6	295·8	23rd	300·2	+0·9	..	353	−168
861	Tagbilaran	9 38	123 51	21·8	..	1009·4	−1·1	305·5	307·1	27th	295·8	294·2	3rd	300·7	..	..	82	− 2
862	Surigao	9 48	125 29	6	..	1009·0	−1·3	302·3	303·6	29th	295·9	293·7	11th	299·1	+0·2	298·9	249	− 85
863	Yap	9 29	138 8	31·9	..	..	..	303·7	305·4	16th	297·6	296·3	30th	300·7	..	..	48	..
869	Uyelang	9 42	161 2	< 10	1008·7	1009·8	−0·9	..	..	..	..	..	..	..	..	..	52	− 5
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JANUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1009·1	1010·1	+1·8	304·6	305·8	5, 14, 27	296·6	295·2	6th, 21st	300·6	−0·6	..	35	− 63
906																		
923	Manaos	3 8	59 59	32·4	1002·9	1006·6	−1·2	..	..	..	..	..	..	299·5	−1·1	..	199	− 19
930	Fernando Noronha	3 51	W32 25	95	..	1011·0	−0·2	300·8	301·6	..	297·4	294·5	..	299·1	..	..	29	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	305·8	307·0	8th, 21st	294·2	292·8	13th, 21st	300·0	0·0	..	133	− 92
940	Loango	4 38	11 50	? 50	..	..	..	302·0	304·4	3rd	295·5	293·8	8th	298·8	..	..	47	..
943	Daressalam	6 49	39 18	7·6	1008·9	1009·7	−1·7	303·0	303·9	19th	298·2	294·9	28, 30, 31	300·6	−0·1	300·6	21	− 67
944	Nairobi	1 18	36 59	1660	..	..	..	299·2	301·6	22nd	282·7	280·2	27th	290·9	+0·1	..	1	− 44
944*a*	Zanzibar	6 10	39 11	21·9	1009·6	1011·9	−0·8	303·4	305·7	30th	299·9	297·9	31st	301·7	+0·5	..	14	− 61
945																		0
946	Lamu	2 16	40 54	3·0	..	..	..	303·1	304·7	20th	297·1	295·8	1st	300·1	..	..	0	
947	Seychelles	4 37	55 27	4·6	1010·3	1010·8	−0·4	301·4	302·6	..	297·6	295·8	..	299·5	−0·1	..	28	− 375
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·0	−1·3	..	..	..	..	..	..	..	..	..	328	− 20
957	Batavia	6 11	106 50	8	..	1009·3	−0·6	302·0	304·5	29th	296·1	294·8	6th	299·1	+0·1	298·6	203	− 125
958	Pontianak	0 1	109 20	2·6	..	1008·9	−0·6	..	..	..	..	..	..	..	..	..	385	+ 110
959	Passerocan	7 38	112 55	5·0	..	1009·0	+0·2	303·7	304·5	..	296·5	295·0	..	300·1	..	..	157	− 76
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	626	+ 168
961	Koepang	10 10	123 34	3·3	..	1007·5	−0·4	..	..	..	..	..	..	..	..	..	137	− 269
962	Ambon	3 42	128 10	4·2	..	1008·0	−0·3	..	..	..	..	..	..	..	..	..	23	− 109
965	Daru	9 4	143 13	8	1007·3	1008·2	−0·8	304·6	..	..	296·7	..	..	300·6	+0·4	..	224	− 189
966	Port Moresby	9 29	147 9	39	1003·0	1007·4	−0·7	305·1	..	..	297·9	..	..	301·5	+0·4	..	72	− 123
967	Rakuranga	4 13	152 8	*ca.* 120	..	..	..	303·4	304·0	..	295·4	294·5	..	299·4	..	..	80	..
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	518	− 49
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1005·2	1005·4	−0·7	304·7	306·3	7, 17, 24	298·1	296·3	19th	301·4	+0·7	..	275	− 50
970	Ocean Island	0 52	169 36	48·5	1001·9	1007·4	0·0	304·6	305·5	27th	298·1	296·9	12th	301·3	−0·2	..	102	− 221
		S.	E.															

JANUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1007·2	1011·5	+4·6	303·6	307·4	20th, 27th	295·1	292·4	8th	299·3	−0·6	..	308	− 39
1004																		
1007	Tahiti (Makatea)	15 47	148 14	39	1006·4	1010·8	+1·1	304·1	305·6	..	296·5	294·7	..	300·3	..	..	195	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	300·1	305·4	18th	289·3	287·2	2nd	294·7	+0·8	..	.. 0	..
1022	Arequipa	16 22	71 33	2451	760·3	..	+0·3	291·5	294·1	16th	282·4	280·8	13th, 14th	287·0	−0·7	..	27	− 1
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	289·8	−1·1	..	121	− 31
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	297·3	−0·2	..	130	− 90
1026	Cuyaba	15 36	56 0	235	989·2	1016·0	−0·2	302·7	304·8	..	297·5	296·3	..	300·1	+0·2	..	183	− 57
1035	St. Helena	15 57	W 5 40	632	944·6	1017·4	−0·7	293·9	296·3	26, 27, 28	287·1	285·8	5th	290·5	−0·1	*290·2*	33	− 44
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	855·7	..	−2·3	298·1	303·0	..	288·2	282·9	..	293·2	−0·9	..	183	+ 33
1043	Salisbury, Rhodesia	17 49	31 3	1487	853·6	..	−0·8	297·8	299·8	..	287·8	284·7	..	292·8	−1·0	..	159	− 52
1044	Zomba	15 23	35 18	899	903·0	1002·4	−0·1	298·9	302·2	8th	290·8	289·1	30th	294·9	−0·6	*294·0*	274	− 208
1045	Tamatave	18 9	49 26	4	1008·9	1009·3	−1·4	..	..	..	..	..	..	300·8	+0·6	..	151	+ 42
1046	Tananarivo	18 55	47 32	1400	861·7	..	−0·6	298·0	301·6	14th	289·5	288·4	9th	293·8	−0·5	293·1	327	
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1010·8	−0·4	301·6	305·2	25th	297·7	295·3	7th	299·7	−0·9	..	63	− 74
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1006·1	1006·7	−1·2	303·2	305·8	..	296·3	294·8	..	299·8	−0·5	..	303	+ 65
1058																		
1061	Derby	17 18	123 40	16·2	..	1007·2	+0·5	308·4	310·8	12, 23, 24	299·1	291·1	1st	303·7	0·0	..	138	− 42
1062	Hall's Creek	18 13	127 46	373·4	..	1004·8	−1·7	312·4	315·8	6th	297·7	293·0	9th	305·0	+1·7	..	48	− 93
1063	Port Darwin	12 28	130 51	29·6	..	1005·4	−0·3	306·3	308·1	16th	297·9	294·6	1st	302·1	+0·2	*301·1*	279	− 113
1064	Daly Waters	16 16	133 23	213	..	1003·5	..	310·9	313·6	21st	296·8	294·7	7th, 15th	303·9	+0·4	*303·4*	51	+ 106
1065	Mein	13 13	142 57	121·9	..	1004·0	..	304·7	308·0	20th	296·4	294·4	26th	300·6	..	..	354	+ 25
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1004·7	..	304·7	307·7	16th, 21st	295·1	292·8	19th	299·9	..	..	196	− 65
1067	Samarai	10 37	150 40	6·4	1006·3	1007·1	−0·4	304·6	..	..	298·2	..	..	301·4	+0·6	..	110	..
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	303·9	306·6	26th	293·7	291·5	16th	298·8	..	..	546	..
1071																		
1072	Suva, Fiji	18 8	178 26	14·8	..	1007·5	−1·4	303·8	308·0	3rd, 4th	295·9	293·0	7th	299·9	+0·3	..	478	+ 197
		S.	E.															

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

JANUARY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	302·0	303·8	17th	296·1	292·2	4th	299·1	..	..	186	− 62
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	..	..	..	296·5	299·0	sev. dates	284·0	281·0	16th	290·3	−0·2	..	0	0
1122	Puerto de Antofagasta	23 39	70 25	10	..	..	..	301·7	302·6	29th	288·5	287·8	3rd	295·1	+0·6	..	0	0
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	..	301·4	+2·7	*299·9*	110	− 17
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	219	+134
1127	Curityba	25 26	49 16	908	909·9	1012·4	−0·3	301·5	305·8	11th	289·0	283·2	..	295·3	+0·7	*294·6*	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1001·8	1009·2	−2·3	..	..	..	..	..	..	299·1	0·0	..	46	− 73
1139	Windhuk	22 34	E17 5	1665·3	831·2	..	..	303·8	306·1	25th	290·3	282·0	6th	297·1	+0·7	296·9	18	− 81
1140																		
1141	Johannesburg	26 11	28 4	1806	821·2	..	−1·6	297·6	300·9	28th	285·9	281·9	19th	291·8	−0·1	*291·3*	143	− 20
1142	Kimberley	28 43	28 46	†1232	878·8	..	−1·1	305·2	..	..	289·9	..	..	297·6	+0·6	297·4	46	− 25
1142*a*	Pretoria	25 45	28 11	1338	866·5	..	−1·9	302·2	306·4	4th	287·9	285·8	24th, 26th	295·1	−0·2	..	170	+ 6
1143	Durban	29 51	31 0	79·9	..	..	..	..	..	..	..	..	..	..	..	..	58	− 57
1144	Lorenzo Marques	..	..	..	..	1011·4	−0·9	302·8	305·4	18th	294·2	291·4	25th	298·5	−0·9	298·0	79	− 47
1147	Mauritius	20 6	57 33	54·3	1003·9	1010·3	−1·3	302·6	303·9	30th, 31st	295·4	293·4	15th	299·0	−0·2	298·6	206	+ 13
1148																		
1159	Onslow	21 43	114 57	4·3	..	1005·5	−0·8	310·3	318·9	11th	297·3	294·2	15th, 16th	303·8	+0·9	..	2	− 21
1160	Peak Hill	25 38	118 47	588·3	..	1004·7	−1·1	311·2	315·9	30th	296·9	289·2	2nd	304·0	+0·3	..	21	− 16
1161	Nullagine	21 53	120 5	385·6	..	1005·1	−0·3	312·8	317·1	30th	298·1	293·2	23rd	305·4	+0·6	..	33	− 40
1162	Laverton	28 40	122 23	466·3	..	1008·8	−0·9	310·3	316·3	26, 28, 29	295·0	286·3	11th	302·7	+1·8	..	0	− 30
1163	Alice Springs	23 38	133 37	587·0	..	1004·9	−1·1	309·9	314·9	30th	293·3	288·6	10th	301·6	−0·3	*301·6*	1	− 44
1164	William Creek	28 55	136 21	76·2	..	1009·0	+1·9	308·9	314·7	5th	293·2	288·6	19th	301·0	..	*300·7*	2	− 13
1165	Boulia	22 55	139 38	145·7	..	1003·7	..	311·1	317·2	17th	296·9	292·8	9th	304·1	..	..	3	− 47
1166	Mitchell	26 32	147 52	337·1	..	1008·0	..	302·3	309·2	17th	291·8	288·1	20th	297·1	..	..	278	+194
1167	Rockhampton	23 24	150 30	11·3	..	1008·5	..	303·2	309·7	15th	294·9	292·4	10th	299·1	..	..	246	+ 4
1168	Brisbane	27 28	153 2	41·7	..	1011·5	+0·1	301·8	308·6	8th	293·6	291·6	1st, 4th	297·7	−0·4	..	258	+ 92
1169	Noumea	22 16	166 27	9	1007·6	1008·6	..	302·5	306·8	27th	295·2	293·8	8, 15, 16	298·9	−0·7	..	47	− 41
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	133	+ 43
		S.	E.															

Between Latitude 30° S. and 40° S.

JANUARY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	..	..	..	295·9	300·2	1st	..	..	..	..	..	..	3	− 16
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1009·2	1013·9	+0·1	294·9	302·4	3rd	286·3	284·4	22nd	290·6	−1·5	*289·2*	0	0
1222	Santiago	33 27	70 42	520	953·1	1012·6	0·0	302·9	306·2	4th	282·9	280·4	22nd	292·9	−1·1	292·5	0	− 1
1223	Cordoba	31 25	64 12	439	959·8	1009·1	−1·7	..	..	..	..	..	..	299·7	+0·9	..	56	− 59
1224	Buenos Ayres	34 16	64 11	25·2	1005·9	1008·8	−2·8	..	..	..	..	..	..	296·3	−0·4	..	19	− 55
1225																		
1226	Montevideo	34 52	W56 12	29·3	1006·5	1009·9	−2·2	300·9	310·6	10th	288·6	283·0	2nd	294·7	−0·5	294·4	47	− 13
1239	Cape Town	33 56	E18 29	9	..	1012·8	−0·6	298·7	306·6	29th	289·4	285·5	18th	294·1	+0·1	..	16	0
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	29	..
1241	Heidelberg	34 5	20 58	1541	850·2	..	+1·3	298·9	303·6	..	286·2	281·3	..	292·6	−1·1	..	62	+ 39
1242	East London	33 2	27 55	10·1	1011·3	1012·5	−0·8	297·6	305·2	17th	290·8	287·4	19th	294·2	+0·1	..	73	+ 7
1259																		
1260	Perth (Observatory)	31 57	115 51	60·0	..	1012·3	−0·8	301·8	309·4	17th	290·1	286·3	5th	295·9	−0·1	..	0	− 9
1261	Katanning	33 42	117 35	309·7	..	1011·8	−1·7	305·1	311·8	18th	286·8	281·0	11th	296·0	+1·4	..	18	+ 12
1262	Coolgardie	30 57	121 10	423·3	..	1010·4	−1·0	308·4	315·6	25th	291·2	283·7	11th	299·8	+1·8	..	5	− 5
1263	Eucla	31 45	128 58	4·6	..	1013·3	0·0	299·1	314·2	23rd	288·9	282·9	15th	294·0	−0·4	..	4	− 14
1264	Streaky Bay	32 48	134 13	13·1	..	1013·1	0·0	303·8	312·4	24th	288·5	281·9	1st	296·1	+1·4	..	0	− 13
	Adelaide	34 56	138 35	42·7	..	1014·1	+1·1	302·9	311·1	23rd	290·6	284·3	20th	296·8	+0·3	*296·2*	4	− 16
1265	Melbourne	37 49	144 57	35·1	..	1015·1	+2·1	298·3	308·9	5th	287·3	283·6	10th	292·8	+0·1	*292·4*	33	− 15
1266	Bourke	30 13	145 58	110·1	..	1011·5	+0·1	305·9	313·6	5th, 7th	292·9	288·3	19th	299·4	−3·2	..	54	+ 4
1267	Sydney	33 51	151 13	44·5	..	1014·3	+1·8	297·4	307·4	7th	291·2	289·6	25th	294·3	−0·7	..	387	+294
1271	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	202	+ 67
1272	Auckland	36 50	174 50	38·1	..	..	..	296·2	299·7	22nd	287·8	284·1	14th	292·0	−0·2	..	32	− 32
		S.	E.															

Between Latitude 40° S. and 50° S.

JANUARY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	58	..	..	..	291·6	294·1	22nd	284·1	280·2	12th	287·8	+0·4	..	302	−239
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	283·7	281·0	24th	..	..	..	117	+ 34
1322	Punta Galera	40 1	73 44	40	..	..	..	289·8	293·2	17th	282·9	281·0	13th, 14th	286·4	−0·7	..	64	+ 10
1323	Bahia Blanca	38 45	W62 12	20	1005·5	1007·8	−0·1	..	..	..	..	..	..	297·3	−1·0	..	50	+ 11
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1016·3	+3·9	294·3	305·1	5th	284·4	279·2	21st	289·3	−0·3	*288·2*	11	− 35
1366	Launceston	41 27	147 10	9·4	..	1016·2	..	297·3	301·7	29th	284·2	278·6	13th	290·7	−0·1	..	11	− 41
1369																		
1370	Dunedin	45 52	170 31	90	..	1012·1	+2·9	291·9	296·9	21st	282·0	278·0	27th	286·9	−0·7	..	79	− 15
1371	Christchurch	43 32	172 38	7·6	..	1012·3	+1·1	294·5	302·5	21st	283·5	275·4	14th	289·0	−0·6	..	44	− 7
1372	Wellington	41 16	174 46	33·5	..	1014·9	+2·8	293·2	297·4	24th	286·3	281·4	15th	289·8	−0·2	..	76	− 10
		S.	E.															

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JANUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	..	..	..	282·7	284·2	9th	278·5	276·0	18th	280·6	—1·1	..	336	+ 6
1422	Puerto de Punta Arenas	53 10	70 54	4	995·5	996·0	—0·6	286·5	291·9	9th	279·6	275·8	19th	283·1	—0·7	283·0	48	+ 11
1423	Punta Dungeness	52 24	68 25	5	..	..	..	287·5	291·6	4th	280·5	277·8	19th, 20th	284·0	—0·4	..	13	— 23
1424																		
1425	Cape Pembroke	51 41	57 42	21	993·4	996·0	—4·5	285·2	292·4	6th	279·3	275·2	24th	282·2	—0·5	282·2	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1430		S.	W.															

JANUARY—ZONE 15. Between Latitude 60° S. and 70° S.

		S.	W.															
1527	South Orkneys	60 44	44 39	6·9	992·5	993·4	+2·8	274·1	277·5	..	270·9	268·8	..	272·5	—1·0	272·3	23	— 18
1528																		

JANUARY—ZONE 16. Between Latitude 70° S. and 80° S.

		S.	W.															
1605	Framheim	78 38	163 37	11·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1669		S.	E.															
1670	Cape Evans(McMurdo Sound)	77 38	166 24	18	..	992·1	—1·1	..	273·5	..	..	257·9	..	..	—0·8	267·6	..	..
1671	Cape Adare	71 18	170 9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JANUARY 1911.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	m/s.
1	SE	8·5	SE 4	E 4	W 2	W 4	E 4	E 1	NW 2	E 2	E 2	Calm	1·0
2	SE	9·9	SE 4	Calm 0	W 2	W 2	NE 4	NE 1	NW 3	E 1	E 3	Calm	1·5
3	SE	12·0	SE 4	E 2	E 3	W 3	NE 2	NE 2	N 2	E 2	E 2	N	3·9
4	SE	11·1	SE 4	E 2	NE 2	W 2	N 2	NE 2	NW 2	E 2	E 1	Calm	3·0
5	SE by S	10·7	NE 2	NE 2	SE 3	W 3	E 3	E 1	NW 2	SW 2	W 4	SW	4·7
6	SE by S	9·4	N 2	N 2	E 2	W 3	Var. 1–3	NE 2	NW 3	SW 2	SW 2	SW	7·6
7	SE by S	6·7	SE 4	E 2	W 2	W 3	E 3	NE 2	NW 2	E 2	E 3	SW	3·8
8	SE by S	7·7	SE 4	SE 2	NE 2	W 3	NE 3	E 2	NW 4	E 4	E 3	SW	3·2
9	SE	6·9	SE 4	SE 4	W 2	W 4	NE 4	E 4	NW 4	NE 2	NW 3	Calm	2·5
10	SE	8·3	E 5	SE 4	E 3	W 3	E 4	E 5	NW 2	NE 1	NE 3	SE	4·1
11	SE	6·7	SE 4	SE 4	NE 2	W 3	E 4	E 2	Calm 0	NE 2	NE 2	SE	8·1
12	SE	6·5	SE 4	SE 4	E 4	Calm 0	E 4	E 3	NW 3	NE 2	NE 2	SE	5·4
13	E	6·4	SE 4	SE 4	SE 2	W 3	E 4	E 2	NW 3	NE 2	NE 3	SE	2·8
14	ESE	6·2	SE 4	SE 4	NE 2	W 3	E 4	E 2	NW 4	E 2	E 3	Calm	1·9
15	SE	7·7	SE 4	SE 4	NE 4	W 3	NE 3	E 3	NW 4	E 1	E 2	E	3·0
16	SE by S	10·1	SE 4	SE 4	SW 2	SW 3	E 4	E 2	NW 3	NE 2	E 2	N	4·1
17	SE by S	11·0	SE 4	Calm 0	NE 2	W 3	E 3	E 1	Calm 0	E 2	E 3	Calm	3·2
18	SE	6·7	SE 4	SE 2	NE 3	W 3	E 3	E 1	NW 2	E 1	E 1	Calm	0·8
19	SE	5·5	SE 4	SE 4	W 2	SW 4	E 3	E 2	NW 3	S 3	SW 4	Calm	1·9
20	SE	6·8	SE 4	SE 4	NE 4	W 4	E 2	Calm 0	NW 4	SW 3	SW 4	Calm	0·9
21	SE	8·7	SE 4	SE 4	NE 5	W 3	E 2	E 1	Calm 0	SE 1	E 2	N	1·8
22	SE	8·9	SE 4	SE 4	NE 5	W 4	E 3	E 2	NW 4	E 2	E 3	NE	2·0
23	SE	6·1	SE 4	SE 4	E 3	W 4	E 3	E 1	NW 3	E 1	E 2	NE	0·9
24	ESE	6·2	E 4	E 4	NE 3	W 4	E 4	E 2	E 3	E 2	E 2	N	1·6
25	SE	6·4	SE 4	SE 4	N 3	W 4	E 4	E 5	NW 3	E 2	E 4	Calm	1·9
26	SE by S	6·3	SE 4	SE 5	N 3	W 2	E 4	E 2	Calm 0	E 3	E 5	SE	2·4
27	SE	5·7	SE 4	SE 4	E 3	W 3	E 3	E 1	NW 4	E 4	E 6	NE	1·8
28	SE	5·9	SE 4	SE 2	E 3	W 4	NE 3	E 1	E 4	E 4	E 6	Calm	0·9
29	SE by S	5·7	SE 4	SE 4	E 3	W 4	NE 3	E 2	NW 2	E 4	E 6	N	2·4
30	SE	7·6	SE 4	NE 3	W 3	W 3	E 3	E 1	NW 3	E 5	E 5	N	1·1
31	ESE	9·9	SE 4	SE 4	W 2	W 3	NE 3	E 2	NW 3	E 4	E 6	Calm	0·6
Mean for Month	..	7·8	3·9	3·3	2·8	3·1	3·2	1·9	2·6	2·4	3·2	..	2·7
Deviation from Normal	..	+ 0·2	..	..	..	..	—1·0		..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JANUARY 1911.

**The Seas round Novaja Zemlja and Spitsbergen.*—"From a wintering expedition on the Bear Island is reported, that hardly any ice has been observed throughout the winter 1910–11, except for a few small strips of winter-ice and some brash-ice appearing now and then. Probably the wind, constantly blowing from the south-west quadrant, has kept away the polar-ice."

"Claus Andersen's expedition, that wintered in King's Bay on Spitsbergen, reports that open water was observed in the offing all through the winter 1910–11, although it was colder than usual, with a minimum temperature of —50° C., 223° A. (Advent Bay). The bays froze up in October, this being earlier than usual, and here the ice remained longer than usual."

**The Greenland Sea, Iceland, and the Denmark Strait.*—"For some days in the middle of the month Dyrefjord, Ø rundafjord, Sugandafjord, and part of Isafjorddyb were filled with ice, and at the last place the passage was very difficult. At the same time layer floes arrived at Cape North; in the course of about ten days, however, they drifted away towards the east. Otherwise the coasts of Iceland were ice-free."

"In Angmagsalik the 'Storis' lay firm."

The North Atlantic and Labrador.—"On the Newfoundland Banks the first pack-ice was observed in lat. 47°·5 N., long. 49°·2 W."

"On 28th of January field-ice was passed between 47° 54′ N., 52° 11′ W. and 47° 34′ N., 51° 55′ W., and slob-ice was seen in 48° 18′ N., 49° W. After the third week of January, between 46° N. and 48° N., 46° W. and 52° W., there was much field-ice and slob-ice on the trade routes."

**Davis Strait.*—"About the middle of January Disko Bay froze up, and in the Upernivik district the west-ice came close to the land, where it froze together with the winter-ice and remained stationary throughout the winter. South of Holstensborg the sea was ice-free, as the 'Storis' at Cape Farewell was already destroyed by the winter gales on the 12th.

**Baffin Bay.*—"Melville Bay was quite covered with ice; in the fjords and along the coasts of Smith Sound there was firm ice, except at Cape Parry and Cape Alexander, where storms broke up the ice."

* *Isforholdene i de arktiske Have, 1911*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, FEBRUARY 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF FEBRUARY 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. FEBRUARY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1003·4	1004·3	..	..	..	..	..	..	..	242·0	..	*242·0*	3	..
124																		
125	Upernivik	72 47	W56 7	18·9	1004·2	1006·8	—2·8	248·6	271·7	3rd	242·2	236·0	13th	245·4	—4·8	*245·4*	4	— 11
126																		
139	Spitsbergen	78 2	E 14 14	11·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
140																		
141	Gjesvaer	71 6	25 22	6·5	995·5	996·2	—8·2	..	278·1	14th	265·9	260·2	25th	..	0·0	*268·7*	37	— 17
142	Mehavn	71 1	27 47	6·4	996·7	997·2	..	..	275·7	14th	264·6	258·4	25th	..	..	*267·3*	69	+ 12
143	Vardö	70 22	31 8	10·0	997·4	998·2	—8·2	..	272·4	14th	264·3	260·3	20th	..	—0·1	*266·7*	56	— 9
144																		
		N.	E.															

Between Latitude 70° N. and 60° N. FEBRUARY—ZONE 2.

209	Dawson	64 4	139 20	321	975·0	1017·9	—4·8	257·3	280·2	19th	246·5	225·2	1st	251·9	+4·7	..	23	+ 6
210	Carcross	60 11	134 34	662	..	..	..	263·3	279·7	19th	253·4	232·4	1st	258·3	..	..	44	..
211																		
212	Fort Simpson	61 52	120 43	129	1002·4	1020·2	..	257·9	282·1	..	246·7	226·9	..	252·3	..	*252·9*	14	..
213																		
214	Hay River	60 51	115 20	161	997·7	1019·5	..	258·4	281·3	24th	246·4	228·8	1st	252·4	..	..	14	..
225																		
226	Jacobshavn	69 13	51 2	12·6	1003·0	1004·8	—2·6	251·2	276·0	7th	241·6	231·7	14th	246·4	—7·5	*246·5*	5	— 2
229	Godthaab	64 11	51 44	9	996·4	997·6	—4·9	264·3	275·2	6th, 7th	257·1	248·0	11th	260·7	—2·1	*259·3*	17	— 37
230	Angmagsalik	65 37	37 34	31·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
231																		
232	Stykkisholm	66 5	22 46	11·3	996·4	997·9	—4·3	273·3	280·5	5th	267·6	258·5	18th	270·5	+0·2	*270·7*	65	+ 2
233	Vestmanno	63 26	20 15	7·7	997·8	998·8	—4·2	276·7	281·4	5th, 13th	270·7	263·2	19th	273·7	—0·3	*273·9*	128	+ 17
234	Grimsey (Akureyri)	66 33	17 58	6·8	999·2	1000·1	—4·3	272·3	280·6	2nd	265·9	254·7	18th	269·1	—1·2	*268·9*	3	— 25
235	Berufjord	64 40	14 19	18	997·2	999·5	—5·2	274·9	282·3	6th	267·8	257·8	18th, 20th	271·4	—0·4	*271·4*	100	— 6
236	Thorshavn	62 3	W 6 45	25·7	1001·1	1004·2	—3·2	278·6	283·2	13th	273·6	265·4	21st	276·1	0·0	..	123	— 23
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1002·8	1008·2	—3·3	..	281·8	16th	272·8	269·5	21st	..	+1·1	*275·0*	274	+ 124
239	Christiansund	63 7	7 45	17·8	1002·3	1003·6	—5·5	..	281·6	13th	273·5	269·7	21st	..	+1·6	*275·5*	219	+ 134
240	Trondhjem	63 26	10 25	39·5	999·5	1003·8	—6·3	..	279·1	4th	270·6	266·4	19th	..	+2·9	*273·0*	116	+ 26
241	Bodö	67 17	14 24	20·5	997·5	999·8	—7·6	..	278·2	3rd	268·0	261·1	25th	..	+0·9	*271·1*	82	+ 1
242	Haparanda	65 50	24 9	9·2	1002·7	1003·9	—7·9	264·3	274·0	4th	255·2	242·0	21st	259·8	—1·3	*260·1*	29	+ 1
242a	Helsingfors	60 10	24 57	11·7	..	1007·0	—8·2	..	276	..	..	251	..	265·5	—0·8	*265·4*	79	+ 49
	Kuopio	62 54	27 40	99·7	..	1007·6	—7·8	..	273	..	..	244	..	260·1	—3·6	*260·0*	59	..
243																		
244	Kola	68 53	33 1	6·7	1001·0	1001·9	—7·3	..	272·4	14th	254·2	237·5	6th	259·2	—2·8	*259·1*	18	+ 10
245	Petrozavodsk	61 47	34 23	38·9	1001·1	1006·2	—9·6	..	276·0	24th, 25th	254·3	239·4	6th	258·7	—4·4	*258·6*	..	..
246	Arkhangelsk	64 33	40 32	6·7	..	1005·9	—7·1	..	272	..	..	238	..	256·7	—3·7	*256·6*	24	+ 9
247	Velsk	61 5	42 7	? 87	997·8	1009·5	..	..	276·0	25th	250·4	231·6	8th	255·6	..	*255·5*	16	..
248	Oust-Tsylma	65 27	52 10	? 25	..	1007·5	—3·6	..	267	..	..	233	..	249·9	—8·3	*249·8*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	993·5	1010·2	..	..	274·8	26th	247·1	228·4	7th	252·5	..	*252·4*	27	..
249																		
250	Berezov	63 56	65 4	39·9	1005·2	1010·6	—5·8	..	275·7	26th	247·2	231·8	7th	251·0	—3·9	*250·9*	13	+ 4
251	Obdorsk	66 31	66 35	24·2	1007·2	1010·6	—3·0	..	264·6	20th	242·4	227·9	9th	246·9	—4·8	*246·8*	10	+ 1
252	Sourgout	61 15	73 24	40	1009·0	1014·5	—5·1	..	275·0	26th	246·8	228·1	7th	252·8	—2·5	*252·6*	21	+ 11
253																		
254	Touroukhansk	65 55	87 38	? 40	1014·4	1019·9	—1·0	..	273·7	27th	245·5	231·6	2nd	250·2	+0·4	*250·1*	13	+ 5
	Doudinka	69 7	87 0	? 20	1011·8	1014·6	..	..	262·0	21st	242·5	230·5	6th	247·0	..	*246·9*	8	..
261																		
262	Olekminsk	60 22	120 26	? 202	..	..	..	..	274·5	23rd	..	..	..	249·4	+5·0	*249·3*	6	..
263	Iakoutsk	62 1	129 43	? 108	..	..	..	..	262·4	24th	233·3	222·7	13th	240·8	+4·8	*240·7*	19	+ 15
264	Verkhoïansk	67 33	133 24	? 100	997·0	1011·5	—11·3	..	263·0	17th	229·5	214·8	3rd	236·5	+8·6	*236·4*	..	..
	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	268·0	24th	233·8	219·4	10th	240·2	..	*240·1*	4	..
271																		
272	Markovo sur Anadyr	64 45	170 50	? 20	1002·6	1005·4	..	..	260·4	10th	237·9	226·1	22nd	245·4	..	..	2	..
	Novo Mariinskii Post	64 45	177 33	? 3	1001·6	1002·0	..	..	269·9	28th	241·7	233·5	20th	248·2	..	..	6	..
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

FEBRUARY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
307		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
308		N.	W.															
309																		
310	Prince Rupert	54 18	130 18	52	1007·4	1013·8	..	277·4	284·1	..	271·4	259·1	..	274·4	..	..	180	..
311	Barkerville	53 2	121 35	1274	..	1017·6	..	268·3	275·8	23rd	259·7	239·1	2nd	264·0	−2·1	*264·1*	52	−15
312	Kamloops	50 41	120 29	379	..	1020·1	+ 2·5	272·4	278·3	10th	263·3	246·7	2nd	267·8	−2·8	*267·8*	5	−15
313	Calgary	51 2	114 2	1033	..	1019·8	− 0·2	269·2	279·7	23rd	257·5	243·0	2nd	263·3	−0·4	*263·4*	14	0
314	Fort Chipewyan	58 42	111 10	218	992·0	1021·4	..	259·7	279·7	23rd	248·6	229·7	1st, 2nd	254·2	..	*254·7*	..	..
315	Prince Albert	53 10	106 0	436	961·7	1018·6	+ 0·3	264·6	276·3	28th	248·7	237·4	4th	256·7	+1·7	*257·2*	13	−6
316	Qu'Appelle	50 30	103 47	645	940·9	1023·9	+ 5·0	264·1	273·3	14th	251·9	238·6	4th	258·0	+2·1	*258·3*	13	−11
317	Minnedosa	50 15	99 50	515	957·0	1024·0	..	263·1	272·4	..	251·1	237·7	..	257·1	+1·6	*256·9*	24	+10
318	Berens River	52 18	97 23	216	..	..	..	263·2	276·3	..	249·2	232·7	..	256·2	..	*256·0*	25	..
318a	Fort Churchill	58 51	94 11	9	1018·5	1019·7	..	253·9	270·8	..	242·4	230·2	..	248·2	+1·8	..	..	
319	Fort Hope	51 32	87 48	..	986·7	..	..	262·4	278·0	25th	249·8	233·0	2nd	256·1	..	..	5	..
320	Moose Factory	51 16	80 56	9	1019·4	1020·6	..	261·6	276·9	25th	247·2	233·6	1st, 6th	254·4	..	..	3	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	1004·7	1006·7	− 2·6	256·4	264·2	..	250·4	243·5	..	253·4	+0·2	..	..	..
324	Nain	56 33	61 41	4·2	1007·3	1007·9	− 2·3	256·8	264·3	..	248·3	240·1	..	252·5	−2·3	..	..	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	274·7	..	..	248·6	..	260·0	−2·6	..	111	+46
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1019·2	1020·9	+ 6·6	282·4	285·2	21st	277·7	269·7	2nd	280·1	+0·2	280·3	97	−29
335	Aberdeen	57 10	2 6	27·4	1010·0	1013·2	+ 1·4	280·4	286·9	16th	274·8	270·8	1st	277·6	+1·2	277·7	27	−30
336	Greenwich	51 28	W 0 0	48·5	1016·8	1022·8	+ 6·9	280·8	285·8	18th	274·8	267·4	1st	277·8	+0·9	278·1	35	−2
337	Uccle	50 48	E 4 22	100	1010·4	1023·0	+ 6·4	279·3	284·4	28th	273·8	265·1	1st	276·6	+1·2	276·6	51	−7
338	De Bilt	52 6	5 11	3·0	1020·5	1020·9	+ 6·1	279·3	284·0	19th	272·9	264·5	1st	276·1	0	276·5	44	+1
338a	Hamburg	53 33	9 59	26·0	1013·4	1016·6	+ 0·9	278·7	282·7	17th	273·6	268·4	11th	276·2	+2·6	276·1	93	+48
339	Copenhagen	55 41	12 36	5·0	1011·8	1012·4	− 1·7	276·7	280·3	18th	272·3	268·4	1st	274·5	+2·0	*274·6*	52	+19
340	Potsdam	52 23	13 4	84·9	1006·6	1017·3	+ 1·3	277·7	283·0	23rd	271·2	264·0	14th	274·5	+1·3	274·4	65	+29
340a	Upsala	59 51	17 38	24·0	1004·4	1007·4	− 6·2	273·4	277·4	4th, 17th	267·0	256·8	6th	270·2	+2·1	270·5	58	+24
341	Warsaw	52 15	21 1	127	999·2	1015·4	− 2·8	272·8	283·1	24th	266·2	252·1	14th	269·5	+1·1	*269·4*	52	+24
342	Jurjev	58 23	26 43	74·5	999·1	1008·9	− 7·5	267·1	276·0	..	258·4	247·0	..	262·8	+0·9	263·2	23	−7
343	Petrograd	59 56	30 16	4·8	..	1007·0	− 9·3	..	275	..	..	243	..	260·7	−3·9	*260·6*	45	+25
344	Kiev	50 27	30 30	182·9	..	1016·3	− 3·6	..	278	..	..	244	..	262·2	−5·6	*262·1*	33	+13
344a	Moscow	55 45	37 34	156	991·5	1012·2	− 7·7	262·8	278·0	24th	255·8	243·7	13th	259·3	−1·3	259·5	13	−11
345	Saratov	51 32	46 3	59·9	..	1014·7	− 6·4	..	276	..	..	244	..	259·7	−3·9	*259·6*	10	−4
346	Kazan	55 47	49 8	79·8	1002·4	1013·1	− 8·4	..	274·6	25th	..	239·9	11th	257·1	−3·8	*257·0*	14	+4
347	Orenburg	51 45	55 6	114·1	..	1018·2	− 6·5	..	274	..	..	240	..	256·1	−2·7	*256·0*	23	+3
348	Perm	58 1	56 15	163·0	..	1013·1	−11·6	..	274	..	..	238	..	255·5	−4·4	*255·3*	36	+21
349	Ekaterinburg	56 50	60 38	288·9	..	1015·9	− 6·1	..	274	..	..	238	..	255·1	−4·1	*254·9*	12	+2
350	Tobolsk	58 12	68 14	108·3	1001·6	1016·3	..	..	274·5	26th	249·5	236·6	12th	254·3	−3·5	*254·1*	16	+3
351	Akmolinsk	51 12	71 23	? 347	978·4	1022·5	− 5·7	..	271·5	22nd	249·5	239·1	12th	255·6	−0·2	*255·5*	30	+25
352	Omsk	54 58	73 23	87·3	1009·4	1021·4	− 4·4	..	271·8	22nd	247·7	238·6	17th	253·3	−3·1	*253·1*	7	0
353	Barnaoul	53 20	83 47	157·7	1006·6	1027·8	− 2·8	..	275·2	24th	250·2	235·8	6th	257·6	+1·4	*257·4*	43	+32
354	Tomsk	56 30	84 58	121·6	1008·7	1025·3	− 1·8	..	272·8	22nd	249·4	236·5	6th	255·5	−0·7	*255·3*	23	+1
355	Minousinsk	53 43	91 41	? 255	998·3	1032·7	..	..	275·2	27th	249·2	237·5	14th	255·8	..	*255·6*	9	+5
356	Eniseisk	58 27	92 11	84·4	1015·5	1027·1	− 0·4	..	275·0	22nd	248·7	232·2	7th	254·7	+0·4	*254·5*	14	−2
357	Irkutsk	52 16	104 19	467·0	970·0	1032·7	+ 0·8	..	278·2	28th	250·8	240·6	5th	257·4	+1·9	*257·3*	6	0
358	Kirensk	57 47	108 7	? 263	996·3	1032·6	..	..	275·5	23rd	241·8	221·7	5th	249·0	..	*248·9*	12	..
359	Tchita	52 2	113 30	673·8	943·4	1032·8	..	..	268·8	20th, 27th	243·3	230·1	6th	250·7	..	..	0	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	967·1	1034·2	..	..	270·3	24th	240·5	225·5	4th	247·4	..	*247·3*	8	+7
360a	Nertchinsk	51 59	116 35	484·3	966·4	1032·3	..	..	269·8	25th	240·8	229·3	6th	248·3	−3·6	*248·3*	1	−1
361	Tygan Ourkan	54 5	124 46	? 370	976·0	1025·5	..	..	269·6	23rd	245·9	235·2	14th	253·8	..	*253·8*	1	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskiĭ Sklad	50 11	130 7	? 168	..	..	..	..	268·2	28th	239·2	229·3	5th	249·5	..	*249·5*	4	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1010·8	1013·6	− 5·8	..	272·0	25th	248·0	236·3	11th	254·9	+2·0	*254·8*	13	−1
366	Okhotsk	59 21	143 17	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk Phare	52 53	158 47	87·1	989·1	1000·5	− 4·0	..	272·4	3rd	258·4	249·6	12th	261·7	−1·1	..	45	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

FEBRUARY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1018·2	+3·0	279·7	282·4	28th	274·1	268·8	2nd	276·9	−1·4	276·8	24	−66
412	Portland, Oregon	45 32	122 41	46·6	1014·2	1020·0	+1·4	280·8	284·1	17th	274·4	270·2	3rd	277·6	−0·6	*277·3*	85	−61
413	Macleod	49 44	113 24	954	..	..	..	275·4	289·7	13th	258·4	243·6	20th	266·9	+1·2	*266·9*	29	+21
414	Helena	46 34	112 4	1253	873·7	1022·0	+2·4	269·7	280·2	11th	260·8	251·9	28th	265·3	−2·2	*265·3*	6	−13
414a	Salt Lake City	40 46	111 54	1331	866·7	1017·9	−0·7	276·3	286·3	11th	268·0	261·3	17th	272·1	−1·4	*271·9*	49	+15
415	Cheyenne	41 8	104 48	1856	811·5	1021·3	+4·4	275·2	286·3	11th	263·0	248·0	21st	269·0	−0·8	*268·8*	14	0
416	North Platte	41 8	100 45	860	920·1	1023·0	+4·7	279·1	294·1	12th	264·1	254·1	21st	271·8	+2·9	*271·5*	10	0
416a	Bismarck	46 47	100 38	510·2	961·1	1025·7	+5·8	266·4	276·9	24th	253·6	246·3	19th	259·9	+0·1	*259·5*	11	−2
417	Winnipeg	49 53	97 7	231·6	..	1023·7	+3·1	264·6	274·9	24th	253·1	236·0	5th	258·8	+4·2	*258·4*	18	+1
418	Duluth	46 47	92 6	345·3	977·4	1020·6	+2·0	269·4	279·1	23rd	259·4	248·0	4th	264·4	+1·7	*264·4*	48	+23
419	Port Arthur	48 27	89 12	196·3	..	1020·6	+1·7	269·8	279·7	24th	258·8	241·9	5th	264·3	+5·0	*264·3*	33	+20
420	Chicago	41 53	87 37	250·9	989·6	1020·6	+2·0	276·5	287·4	17th	269·9	259·7	10th	273·2	+3·9	*273·3*	58	+3
421	Toronto	43 40	79 24	106·7	..	1019·5	+1·2	273·2	281·7	25th	265·6	257·8	6th	269·4	+2·4	268·4	54	−5
422	New York	40 43	74 0	96	1007·8	1020·0	+1·4	276·1	286·3	26th	269·2	263·8	3rd	272·7	+0·4	272·6	81	−14
423	St. John, N.B.	45 17	66 4	21·3	..	1016·9	+2·0	269·0	279·8	27th	259·3	251·8	13th	264·2	−2·0	*264·4*	61	−22
424	S. W. Point, Anticosti	49 24	63 35	9	1011·8	1013·0	+1·8	264·8	270·8	..	254·1	244·1	..	259·4	..	..	11	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1012·8	1013·8	..	271·7	276·9	..	265·9	261·3	1st	268·8	−3·1	..	141	+23
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1006·3	−3·5	269·0	275·2	6th	261·3	255·2	7th	265·2	−3·0	..	83	−61
435	Madrid	40 24	3 41	655·4	948·4	1027·0	+6·6	287·2	294·9	25, 26, 27	272·6	267·6	6th	279·9	+0·1	279·4	99	−17
436	Nantes	47 15	W 1 34	41·4	1022·4	1027·6	+8·6	281·7	285·7	22nd, 26th	274·8	268·7	1st	278·3	−0·7	*278·0*	22	−33
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1019·5	1025·7	+7·5	281·1	287·1	17th, 22nd	273·7	265·9	1st	277·4	+0·6	277·2	11	−22
438	Marseilles	43 18	5 23	75·0	1013·4	1022·7	+6·3	286·0	291·0	18th	275·6	267·4	2nd	280·8	−0·2	*280·2*	14	−22
438a	Zürich	47 23	8 33	493·2	966·0	1027·2	+6·3	..	287·0	23rd	..	261·2	1st	274·2	+0·4	274·2	59	+2
439	Rome	41 54	12 29	63·4	..	1022·2	+5·7	284·4	290	26th	275·4	269	1, 2, 10	279·9	−1·6	*279·6*	9	−55
440	Vienna	48 15	16 22	202·5	995·4	1020·9	+1·9	276·9	286·3	19th	270·9	262·1	15th	273·9	+0·7	273·6	35	+2
440a	Buda-Pesth	47 30	19 2	129·6	1004·2	1020·6	+0·6	275·9	284·9	19th	268·7	257·8	7th	272·3	−0·3	*272·3*	24	−7
441	Bucharest	45 25	26 6	82	1009·6	1020·1	−0·5	275·3	287·9	24th	264·7	250·2	16th	270·0	−1·4	..	14	−13
442	Odessa (University)	46 29	30 46	65·3	1010·6	1019·2	−1·0	268·4	280·9	20th	261·0	247·7	14th	264·7	−5·7	*265·0*	3	−16
443	Kharkov (University)	50 0	36 14	140	..	1017·6	−2·8	..	277	..	..	243	..	260·0	−5·9	*259·9*	15	−10
444	Novorossiisk	44 40	37 49	37	..	1016·8	−2·6	..	284	..	..	255	..	269·3	−6·1	*269·2*	65	+5
444a	Tiflis	41 43	44 48	409	..	1019·2	−2·7	..	287	..	..	262	..	271·8	−3·2	*271·8*	7	−13
445	Astrakhan	46 21	48 2	−14	..	1017·9	−5·2	..	276	..	..	244	..	262·5	−4·5	*262·4*	57	+47
446	Fort Alexandrovsk	44 31	50 16	24	1013·6	1016·7	−6·1	..	281·4	21st	262·1	247·5	16th	265·7	−3·9	*265·6*	19	+13
447	Krasnovodsk	40 0	52 59	−15	..	1017·0	−5·2	..	286	..	..	270	..	277·1	+0·8	*277·1*	12	−13
448	Tachkent	41 20	69 18	478·3	963·5	1021·8	−2·6	..	289·5	23rd	271·0	256·7	18th	276·2	+2·4	*276·1*	56	+26
449	Irgiz	48 37	61 16	112	1004·6	1019·7	..	..	274·0	21st	..	..	..	256·6	−1·3	*256·5*	7	−2
450	Narynskoe	41 26	76 2	?2015	..	..	..	..	267·7	24th	256·9	245·7	6th	261·9	+3·6	*261·8*	12	+4
451	Vernyi	43 16	76 53	? 835	923·9	1026·3	−1·1	..	282·0	28th	..	..	..	269·8	+4·8	*269·7*	53	+28
461	Mukden	41 48	123 23	43·8	1023·5	1029·4	+3·7	268·3	274·7	25th	255·0	245·7	9th	261·7	+0·2	..	11	+7
462	Joshin	40 40	129 11	4·0	1023·0	1023·5	+3·7	274·6	279·3	26th	261·7	254·1	6th	268·2	+0·5	..	3	−13
463	Vladivostok	43 7	131 54	15·7	1021·6	1023·6	+0·2	..	276·2	28th	258·1	248·4	8th	263·4	+0·9	*263·4*	0	−5
464																		
465	Ochiai	47 20	142 44	15·0	1013·5	1015·5	..	267·8	277·7	25th	250·8	235·7	8th	259·3	..	259·9	59	..
466	Nemuro	43 20	145 35	26·7	1011·8	1015·3	+2·5	271·6	277·1	27th	263·3	257·6	7th	267·4	+0·2	267·4	38	+18
		N.	E.															

Between Latitude 40° N. and 30° N.

FEBRUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1012·5	1018·3	−1·0	285·7	292·4	18th	279·5	276·3	27th	282·6	−1·1	*282·2*	77	−17
512	San Luis Obispo	35 18	120 39	61·3	1011·5	1018·9	−0·7	286·6	294·1	22nd	277·9	274·1	9th	282·2	−2·2	*281·9*	123	+27
513	Modena	37 48	113 54	1670	831·1	1016·6	−0·7	275·1	281·9	10th	264·1	251·9	15th	269·6	−3·2	*269·4*	38	+8
514	San Diego	32 43	117 10	26·5	1014·6	1017·9	0·0	288·1	294·1	22nd	280·4	274·1	16th	284·2	−1·3	*284·1*	125	+68
515	Santa Fé	35 41	105 57	2138	785·1	1017·6	+2·4	277·6	285·2	12th	266·8	254·1	21st	272·2	−0·8	*271·9*	51	+29
516	Denver	39 45	105 0	1613	836·6	1020·0	+3·7	278·0	290·2	11th	265·8	254·1	22nd	271·9	−0·6	*271·6*	17	+5
517	Abilene	32 23	99 40	529·7	957·4	1019·6	+2·0	287·8	304·7	1st	277·7	265·8	22nd	282·8	+2·7	*282·6*	77	+49
518	Saint Louis	38 38	90 12	172·8	1000·2	1021·3	+1·7	281·0	301·9	1st	272·1	264·1	22nd	276·6	+2·7	*276·4*	77	+7
519	Mobile	30 41	88 2	17·4	1019·3	1021·3	+1·7	292·9	298·6	2nd	285·0	272·4	22nd	288·9	+4·2	*288·7*	53	−83
520	Nashville	36 10	86 47	166·4	1002·0	1022·0	+2·0	286·4	296·3	15th	275·8	264·7	22nd	281·2	+3·1	*281·1*	119	+9
521	Charleston	32 47	79 56	14·6	1019·3	1021·0	+1·0	290·5	298·6	15th	281·3	272·4	22nd	285·9	+1·9	*285·6*	28	−58
522	Washington	38 54	77 3	34·1	1016·8	1021·3	+1·7	280·1	293·0	26th	271·4	266·9	22nd	275·8	+1·4	*275·7*	49	−38
523	Bermuda	32 17	64 46	46·0	..	1020·6	+1·6	291·8	295·1	8th	285·8	281·9	17th	288·8	−0·6	..	30	−92
531	Horta	38 32	28 38	30	..	1019·9	−2·2	290·1	292	18, 20, 23	287·2	282·0	3rd, 28th	288·6	+1·1	..	35	−29
532	Ponta Delgada	37 44	25 40	17	..	1021·9	+2·5	289·4	291	sev. dates	286·6	283·0	2nd, 4th	288·0	+1·1	..	47	−41
533	Madeira (Funchal)	32 37	16 54	25	1020·9	1023·9	+3·6	291·4	293·2	19th	281·8	280·0	2nd	286·6	−0·6	..	62	−22
534	Lisbon	38 43	9 9	95·4	1013·1	1024·7	+4·8	288·3	292·2	26th	281·0	276·8	6th	284·7	+0·4	*284·6*	28	−59
535	Casablanca	33 37	7 35	17	1021·6	1023·7	+5·1	289·3	291·2	..	282·2	279·2	..	285·7	−0·6	*285·2*	26	−26
536	Gibraltar	36 6	5 21	16	1018·9	1020·8	+2·2	289·5	295·8	26th	..	..	..	285·9	−0·7	*285·9*	124	+18
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

FEBRUARY—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1018·3	1023·0	+6·3	289·6	294·6	27th	283·3	279·7	6th	286·5	−0·3	*286·1*	27	−39
538	Palma	39 33	2 42	23	..	1025·1	+7·6	287·4	294	26th	279·1	277	sev. dates	283·2	−1·1	..	23	−10
538*a*	Tunis	36 48	10 10	43	1018·4	1023·7	+5·6	287·3	295·0	20th	279·2	273·5	10th	283·3	−0·8	..	34	−12
539	Malta	35 54	14 31	59	..	1022·0	+6·5	286·7	295	20th	282·1	276	21st	284·4	−0·7	..	12	−45
540	Catania	37 30	15 3	64·9	1012·9	1020·9	+5·8	285·7	295·3	20th	277·4	272·0	10th	281·6	−2·0	..	18	−37
541	Athens	37 58	23 43	107·1	..	1018·8	+1·2	283·5	292	21st	275·8	268	11th	279·6	−2·8	*279·5*	12	−26
542	Alexandria	31 9	29 54	32·0	..	1018·8	+1·1	290·0	295	21st	282·2	279	11th	286·1	−2·1	*285·5*	42	+11
543	Cairo (Helwan)	29 52	31 20	115·6	..	1019·6	+1·3	291·0	298	27th	279·9	276	11th, 13th	285·4	−1·6	285·0	5	+2
544	Nicosia	35 12	33 24	152	..	1015·5	−1·4	286·2	292	25th, 26th	273·2	270	18th	279·7	−3·6	..	59	+16
544*a*	Beirut	33 54	35 28	52·4	..	1016·4	+2·4	287·9	295	27th	281·4	277	18th	284·6	−2·1	..	181	+32
545	Baghdad	33 21	44 28	38·7	1015·9	1020·6	+2·2	287·3	294·5	28th	275·9	270·6	14th	281·6	−3·1	..	15	−41
546	Lenkoran	38 46	48 52	−19	1020·2	1017·9	−4·0	..	288·2	21st	271·6	263·4	3rd	274·9	−2·9	*274·9*	28	−50
547	Busrah	30 31	47 53	7·6	1020·0	1020·7	+0·4	288·2	292·8	22nd	279·9	275·1	7th	284·1	−3·0	..	12	−15
548	Meshed	36 16	59 35	946	905·4	1017·4	..	283·4	290·4	20th	270·2	263·7	17th	276·8	+0·7	..	20	−6
549	Quetta	30 11	67 3	1677	835·7	..	+2·0	287·9	295·3	13th	273·7	265·1	1st	280·8	+2·1	*280·7*	18	−38
550																		
551	Lahore	31 34	74 20	214	992·2	1017·9	+1·3	296·4	302·4	26th	281·3	275·3	2nd	288·9	+1·2	*288·3*	4	−24
551*a*	Simla	31 7	77 8	2204·3	782·3	..	+2·2	283·5	289·5	23rd	276·8	264·7	1st	280·2	+2·3	*280·1*	23	−53
552	Leh	34 10	77 42	3506	666·8	..	+3·8	269·9	278·3	23rd	258·2	248·3	5th	264·0	−2·6	*263·0*	7	−1
552*a*	Dehra Dun	30 20	78 0	681	938·3	1016·9	+1·0	295·2	300·2	27th, 28th	281·3	275·5	2nd	288·3	+0·7	*288·0*	15	−41
559	Hang Kow	30 35	114 17	37·0	1025·4	1030·0	+4·2	280·9	291·0	27th	274·5	271·1	3rd	277·7	−0·1	..	60	+9
560	Tiensin	39 10	117 10	5·0	1030·4	1031·0	+4·0	273·7	280·7	25th	264·2	254·4	3rd	269·0	−1·8	..	1	−3
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1027·4	1028·2	+3·1	282·4	291·9	28th	274·3	268·2	4th	278·4	+1·0	277·7	32	−26
562	Chemulpo	37 29	126 32	67·6	1019·1	1027·8	+4·9	276·1	283·1	28th	268·9	263·4	17th	272·5	0·0	272·1	12	+4
562*a*	Nagasaki	32 44	129 52	133·0	1008·1	1024·6	+3·5	283·9	290·8	14th	275·6	271·8	20th	279·7	+0·6	279·5	41	−36
563	Kioto	35 1	135 46	49·4	1017·4	1023·5	+3·9	283·5	290·9	15th	271·2	266·3	20th	277·3	+1·1	276·6	63	+1
564	Tokio	35 41	139 45	21·3	1017·3	1019·9	+3·2	283·1	291·6	15th	273·8	269·2	7th	278·5	+1·6	278·1	31	−42
565	Miyako	39 38	141 59	30·4	1015·1	1018·9	+3·5	281·6	288·4	15th	269·0	263·4	7th	275·3	+2·0	274·0	13	−50
566		N.	E.															

FEBRUARY—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1015·2	1016·5	+2·1	296·8	298·6	..	291·2	289·7	..	294·0	−0·8	..	203	+80
606																		
615	Zacatecas	22 47	102 35	2610	747·4	..	..	289·5	293·8	6th	279·8	272·5	22nd	284·7	..	..	0	..
616	Leon	21 7	101 41	1798·6	822·8	..	−0·7	298·0	301·6	28th	281·7	277·9	3rd	289·9	+1·4	..	0	−9
617	Galveston	29 18	94 50	16·5	1018·2	1020·3	+2·0	292·4	296·9	8th	287·2	275·2	22nd	289·8	+3·7	*289·7*	18	−61
618	New Orleans	29 58	90 4	15·5	1019·0	1021·0	+2·0	294·8	300·2	7th	286·3	274·7	22nd	290·6	+4·1	*290·4*	34	−79
619	Havana	23 8	82 22	24·3	..	1019·9	+1·7	..	301·0	14th	..	285·4	26th	294·5	−0·6	*294·4*	1	−50
620	Key West	24 33	81 48	6·7	1019·3	1020·0	+1·7	297·8	300·8	20th	292·1	286·3	23rd	294·9	+0·4	*294·8*	0	−41
621	Nassau, Bahamas	25 5	77 21	7·6	1018·2	1019·1	+0·5	297·6	299·9	13th	292·6	289·9	24th	295·1	+0·1	..	13	−34
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	291·3	293·5	..	284·6	283·1	..	288·0	−1·3	..	30	−12
634	Las Palmas, Canary Islands	28 7	W15 26	7	1021·2	1022·0	+1·7	294·5	298·0	5th, 8th	287·0	283·8	3rd, 5th	290·8	+0·7	..	19	+4
637	Insalah	27 17	E 2 27	330	983·9	1023·1	+0·6	297·2	307·9	17th	279·6	273·0	1st	288·4	+0·2	*287·4*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1023·8	+2·5	295·2	303	26th	..	..	..	..	..	..	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1019·6	+1·3	296·3	310	27th	279·8	275	8th	288·0	−2·6	*288·3*	..	..
643	Suez	29 57	32 32	3·4	..	1019·6	+2·3	291·7	299	27th	282·7	280	13th	287·2	−1·2	..	3	0
644	Aswan	24 2	32 53	99·6	..	1020·2	+1·9	296·9	307	27th	282·6	279	12th	289·8	−1·7	*289·2*	..	..
647	Bushire	28 59	50 53	4	1018·2	1018·8	+1·1	289·3	295·7	10th	281·9	276·3	1st	285·6	−2·5	..	7	−53
648	Jask	25 44	57 47	4	1016·9	1017·4	+0·9	296·3	299·8	12th	289·2	284·0	1st, 2nd	292·8	−0·4	..	3	−21
649	Kurrachee	24 53	66 57	4	1017·1	1017·6	+1·4	298·3	301·9	14th	289·4	282·4	1st	293·9	+0·3	*293·6*	1	−7
650	Hyderabad, Sind	25 24	68 18	29	1013·5	1017·0	+0·7	302·6	307·2	26th	285·8	276·3	1st	294·2	+1·4	..	0	−6
651	Jaipur	26 56	75 52	436	967·7	1018·6	+1·8	301·3	307·0	27th	283·6	275·0	2nd	292·4	+0·9	*291·8*	0	−4
652	Nagpur	21 8	79 5	310	981·2	1017·2	+2·0	303·8	308·9	27th, 28th	286·4	279·8	2nd	295·1	−1·6	*294·9*	0	−10
653	Allahabad	25 25	81 51	91	1005·2	1016·4	+0·9	300·0	307·8	28th	282·9	277·7	3rd	291·4	−0·4	*290·8*	0	−12
654	Calcutta	22 36	88 23	6	1015·1	1015·9	+1·0	302·1	307·8	28th	287·3	281·9	3rd	294·7	−0·1	*294·2*	1	−24
655	Gauhati	26 8	91 41	59	1010·0	1017·1	..	297·9	301·8	20th	284·9	280·8	9th	291·4	..	..	3	−15
655*a*	Cherrapunji	25 15	91 42	1313	871·0	..	..	289·1	293·4	16th	281·8	276·4	1st	285·5	..	..	38	−15
656	Shillong	25 33	91 48	1500	851·0	..	..	289·5	293·5	22nd	278·6	271·7	1st	284·1	..	..	0	−20
656*a*	Akyab	20 11	92 56	6	1014·9	1015·6	+1·2	300·4	302·7	15th	288·6	283·8	6th	294·5	−1·4	*294·3*	6	+3
657	Phu Lien	20 48	106 37	115·6	1006·5	1020·4	+3·5	292·8	299·5	14th	286·7	281·0	24th	289·8	−0·4	288·9	12	−20
658	Moncay	21 31	107 51	10	1019·9	1021·1	+3·8	292·5	299·6	14th	284·9	278·5	26th	288·7	−0·4	*288·6*	26	−21
659																		
660	Hong Kong	22 18	114 10	33·2	1016·9	1020·8	+1·9	291·6	296·4	15th	286·4	281·4	24th	289·0	+1·2	288·7	0	−44
661	Taihoku, Formosa	25 2	121 31	9·3	1020·7	1021·8	+1·0	292·1	299·7	11th	286·7	283·5	3rd	289·4	+2·0	288·7	40	−91
662	Naha	26 13	127 41	10·5	1019·5	1020·7	+1·5	293·1	297·7	14th	287·2	281·9	5th	290·1	+1·3	289·9	116	−2
		N.	E.															

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. FEBRUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	303·0	..	..	277·0	..	290·0	..	..	0	..
716	Morelia	19 14	100 7	1933	810·8	..	..	296·0	299·4	28th	280·7	277·2	4th	288·4	..	*288·2*	0	..
717	Salina Cruz	19 14	100 7	1933	..	..	..	..	308·0	27th	..	293·0	3rd, 24th	298·7	..	..	7	..
718	Mexico	19 26	99 8	2280	780·5	..	+2·1	295·1	298·9	27th	279·2	277·0	2, 3, 22	287·2	0·0	287·3	3	−4
718*a*	Oaxaca	17 4	96 44	1563	847·4	..	..	301·4	304·6	14th, 15th	281·8	278·6	4th	291·6	..	*291·4*	1	..
719	Belize	17 29	88 12	2·1	..	..	..	301·5	305·2	10th	294·7	290·2	23rd	298·1	−0·7	*297·1*	97	+20
720	San Salvador	13 44	89 9	657	938·8	1012·5	+1·1	305·2	306·8	6th, 16th	288·5	285·0	3rd, 16th	296·9	+0·3	..	0	−5
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·9	+0·1	302·2	304·9	27th	291·9	289·9	10th	297·1	−0·4	*296·7*	6	−33
722	Port au Prince	18 34	72 22	37·4	1011·8	1016·1	+2·6	304·0	306·0	..	292·6	289·8	..	298·3	−0·5	297·6	20	−29
723	St. Croix (Christiansted)	17 45	64 42	6·6	1012·3	1013·2	..	299·1	300·3	..	295·0	291·8	..	297·1	..	..	181	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·2	1013·0	−1·1	300·8	303·6	17th	294·7	293·6	18th	297·7	−0·2	*297·3*	70	−4
725	Barbados	13 8	59 36	55·2	..	1011·5	−1·0	300·3	301·8	..	295·5	289·1	..	297·9	−0·4	*297·7*	169	+132
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1016·8	1018·1	+3·5	295·2	297·0	28th	291·7	289·5	22nd	293·5	−1·0	..	0	−10
732	San Tiago, C. Verde Is.	14 54	23 31	34	1015·1	1019·1	..	297·4	300·6	12th	292·2	289·6	16th	294·8	−0·3	..	0	−2
733	Bathurst	13 24	16 36	1·5	1011·8	1012·0	−0·2	304·4	310·8	10th	291·1	288·0	13th	297·8	+0·6	*297·0*	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	310·2	312·4	10, 11, 13, 14	290·0	285·8	1st, 16th	300·1	−0·3	..	0	0
735	Ségon	13 34	6 17	? 272	..	..	..	307·2	311·0	6th, 11th	290·5	285·9	1st	298·9	..	..	0	..
736	Timbouctoo	16 43	W 2 52	250	984·0	1012·7	+0·4	305·1	310·0	..	287·1	282·0	..	296·1	−0·5	*295·9*	0	..
737	Sokoto	13 2	E 5 14	354	..	..	..	305·8	309·7	16th	291·4	288·6	1, 11, 26	298·6	−0·2	..	0	0
738	Kontagora	10 24	5 24	400	..	..	..	309·5	311·3	5, 7, 8, 24	292·2	288·6	1st, 2nd	300·8	0·0	..	0	0
739	Maiduguri	11 48	13 12	370	..	..	..	306·9	313·0	24th	287·8	285·2	9th	297·4	−1·1	..	0	0
740	Katagum	12 17	10 22	329	..	..	..	307·7	312·4	16th, 17th	285·9	281·9	10th	296·8	−0·6	..	0	0
742																		
743	El Obeid	13 11	30 14	585	..	1015·9	+1·3	304·2	312·4	27th	283·7	278·5	20th	294·0	−1·4	*294·7*	0	0
744	Khartoum	15 37	32 33	390	..	1014·7	+1·9	303·5	314·0	27th	286·9	280·7	20th	295·2	−1·7	*295·4*	0	0
746	Aden	12 45	45 3	28·7	1013·5	1016·8	+1·7	299·8	302·2	27th	296·4	294·6	16th	298·1	−0·2	*297·5*	1	−7
751	Bombay	18 54	72 49	11·3	1014·4	1015·7	+1·2	301·9	305·8	14th	292·9	287·7	2nd	297·4	+0·2	*296·9*	0	0
752	Mysore	12 18	76 40	768	930·2	1015·3	+1·5	303·4	305·5	1st, 23rd	288·4	285·5	8th	295·9	−1·4	295·9	0	−6
752*a*	Kodaikanal	10 13	77 28	2343	772·1	..	−0·6	292·2	296·3	26th	280·3	277·4	7th	286·3	−0·6	285·1	6	−35
753	Madras	13 4	80 14	6·7	1015·2	1016·0	+1·5	303·3	306·3	2nd	291·7	289·1	20th	297·5	−0·8	297·6	0	−6
754	Waltair	17 45	83 16	68·9	1008·3	1016·3	+1·5	301·3	303·1	28th	293·6	290·7	4th	297·4	..	*296·9*	0	−4
755	Port Blair	11 40	92 40	17·7	1012·1	1014·2	+1·0	303·6	304·8	16th, 25th	296·3	294·1	1st, 2nd	299·9	−0·6	*299·4*	8	−2
756	Rangoon	16 46	95 48	5·5	1014·3	1015·0	+1·2	305·9	307·5	16, 21, 22	291·2	286·6	10th	298·6	−0·7	*297·4*	0	−8
757	Saigon	10 46	106 42	11·2	1011·8	1013·1	+2·1	307·5	309·2	14th	293·3	290·2	25th	300·4	0·0	..	5	0
758	Nhatrang	12 16	109 12	6·8	1014·4	1015·2	+1·6	301·6	303·8	1st	293·2	291·1	26th	297·4	−0·7	..	55	+35
759	Bolinao	16 24	119 53	7·5	..	1011·8	−0·8	303·5	306·9	13th	295·1	290·9	11th	299·3	..	..	4	−8
760	Vigan	17 34	120 23	14·7	..	1012·1	−0·5	303·9	306·9	10th	294·6	291·0	23rd	299·3	+0·1	298·8	2	−1
761	Manila	14 35	120 59	14·2	..	1012·0	−0·6	303·6	306·3	1st	293·4	291·0	22nd, 23rd	298·5	−0·5	297·8	9	−2
762	Ormoc	11 0	124 36	5·6	..	1009·8	−1·6	302·6	305·5	5th	294·3	290·4	2nd	298·5	0·0	297·9	106	+6
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	300·8	302·4	19th, 27th	297·0	295·6	20th	298·9	..	..	287	..
		N.	E.															

Between Latitude 10° N. and 0°. FEBRUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	?1010·2	?1010·6	−0·6	302·1	303·0	28th	297·7	296·3	12th	299·9	0·0	*299·2*	62	−275
819	Culebra	9 10	79 40	123·1	..	1011·2	−0·4	303·0	304·1	11th	294·7	291·9	3rd	298·8	−0·3	..	19	+4
822																		
823	El Peru, Guayanavieja	7 30	62 0	? 300	984·7	..	..	301·9	304·5	8th	292·7	290·8	27th	297·3	..	..	173	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1012·6	1012·8	−0·4	302·0	303·1	7th, 8th	292·6	292·4	3rd	299·1	−0·1	..	232	+78
826	Paramaribo	5 49	55 9	4	1012·1	1012·6	..	301·5	303·8	7th	295·7	294·2	16th	298·6	..	*297·6*	338	+168
826*a*	Cayenne	4 56	52 21	6	..	..	..	301·9	..	..	296·0	..	..	299·0	−0·7	..	295	+11
833	Conakry	9 31	13 43	16	1009·0	1010·8	−0·6	305·2	307·2	..	295·4	294·1	..	300·3	−0·3	..	0	0
834	Sierra Leone	8 30	13 9	68·3	1002·5	1010·2	−0·6	306·2	308·7	5th	296·4	294·8	8th, 17th	301·3	+0·2	..	2	−6
835	Cape Coast Castle	5 5	1 13	..	..	..	..	303·5	304·7	14th, 25th	295·7	294·7	2nd, 13th	299·6	−0·3	..	13	−12
836	Acera	5 35	W 0 6	18	..	..	..	303·3	305·2	10, 11, 12	294·8	288·6	4th	299·1	−1·0	..	0	−27
837	Lagos	6 22	E 3 28	7·6	1011·0	1011·9	+1·7	304·3	306·3	..	297·8	296·3	..	301·1	+0·3	..	7	−41
838	Zungeru	9 48	6 10	130	995·9	1017·0	+0·5	309·8	312·4	18th	293·9	291·3	7th, 16th	301·8	+0·2	..	0	0
838*a*	Libreville	0 23	9 26	35	..	..	..	303·3	304·4	28th	295·8	293·2	12th	299·6	−0·3	..	115	−87
839	Yola	9 12	12 30	259	..	..	..	308·4	311·3	16th, 24th	295·4	293·6	3, 13, 22	301·9	+0·5	..	0	0
841	Kafia Kingi	9 22	24 18	596	947·1	1013·2	..	..	..	..	..	..	..	295·9	..	..	0	..
842	Wau	7 42	28 3	440	..	..	..	308·6	312	9th, 26th	289·2	287	6th, 7th	298·9	..	..	2	−12
843	Entebbe	0 5	32 29	1177	881·8	..	−0·3	300·5	302·6	15th	289·8	287·7	5th	295·2	0·0	*294·4*	76	−7
844	Nandi	0 2	35 5	2010	..	..	..	303·3	305·2	14th	283·1	281·9	5th	293·2	+1·4	..	13	−74
845																		
851	Cothin	10 0	76 21	2·7	1013·8	1014·2	+1·0	304·9	307·8	20th	295·3	293·4	9th	300·1	−0·6	*299·6*	27	+5
852	Colombo Observatory	6 54	79 53	7·3	1010·8	1011·6	+1·2	305·6	308·4	19th	294·1	291·6	23rd	299·9	−0·1	*299·4*	19	−39
853	Candy	7 18	80 40	504·5	..	..	..	303·2	305·2	26th	291·7	287·4	2nd	297·4	+0·4	..	4	−58
855	Medan	3 35	98 41	23·5	..	1011·9	+0·5	304·9	306·1	8th	293·6	292·8	4th	299·3	..	..	56	−42
856																		
857	Penang	5 34	100 20	5·0	1008·6	1009·2	−1·2	305·2	306·9	24th, 27th	296·3	295·2	25th	300·8	−0·1	..	11	−62
858	Singapore	1 17	103 51	3·0	1010·8	1011·1	+0·9	305·1	306·2	27th	295·5	293·7	25th	300·3	+0·4	..	65	−98
860	Sandakan	5 49	118 12	..	..	..	..	303·5	305·2	17th, 22nd	296·6	295·8	21, 25, 28	300·1	+0·6	..	275	−8
861	Tagbilaran	9 38	123 51	21·8	..	..	..	..	..	..	..	..	..	..	..	..	125	+14
862	Surigao	9 48	125 29	6	..	1009·4	−1·4	301·8	303·6	27th	295·7	293·7	2nd, 14th	298·8	+0·1	298·5	370	−30
863	Yap	9 29	138 8	31·9	..	..	..	303·2	305·3	3rd, 11th	297·5	295·7	25th	300·4	..	..	316	..
869	Uyelang	9 42	161 2	< 10	1008·0	1009·1	−2·4	..	..	..	..	..	..	..	..	..	167	+126
		N.	E.															

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

FEBRUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1008·7	1009·7	+0·7	305·0	305·8	5, 18, 24	297·1	295·2	1st, 3rd	301·1	−0·1	..	0	− 31
906																		
923	Manaos	3 8	59 59	32·4	1003·4	1007·1	−1·2	..	..	..	..	..	..	299·9	−0·9	..	209	− 2
930	Fernando Noronha	3 51	W32 25	95	..	1011·9	+0·9	301·1	301·7	..	297·7	296·2	..	299·4	..	..	3	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	305·6	307·8	9th	294·6	292·3	6th	300·1	−0·1	..	211	− 6
940	Loango	4 38	11 50	? 50	..	..	..	302·9	304·7	26th	296·9	293·8	5th	299·9	..	..	58	..
943	Daressalam	6 49	39 18	7·6	1010·5	1011·3	−0·2	303·1	304·1	28th	298·2	295·4	26th	300·7	+0·1	300·5	15	− 59
944	Nairobi	1 18	36 59	1660	..	..	..	299·2	304·1	26th	283·6	278·6	15th	291·4	+0·1	..	79	− 73
944a	Zanzibar	6 10	39 11	21·9	1011·2	1013·7	+1·0	303·4	305·6	20th	299·9	299·3	5th	301·7	−0·1	..	0	
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	303·4	305·2	4th	297·0	295·2	20th	300·2	..	..	0	− 7
947	Seychelles	4 37	55 27	4·6	1011·8	1012·4	+0·9	301·2	302·6	..	298·6	296·1	..	299·9	+0·1	..	401	+ 40
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1011·5	0·0	..	..	..	..	..	..	..	..	..	64	−185
957	Batavia	6 11	106 50	8	..	1011·0	+1·0	301·7	302·9	14th, 18th	295·7	294·3	22nd	298·7	0·0	298·5	194	−127
958	Pontianak	0 1	109 20	2·6	..	1010·6	+1·0	..	..	..	..	..	..	..	..	..	56	−141
959	Passeroean	7 38	112 55	5·0	..	1010·1	+1·1	303·6	304·5	..	296·4	293·5	..	300·0	..	..	243	− 19
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	433	− 7
961	Koepang	10 10	123 34	3·3	..	1008·2	+1·1	..	..	..	..	..	..	..	..	..	178	−201
962	Ambon	3 42	128 10	4·2	..	1008·6	+0·1	..	..	..	..	..	..	..	..	..	154	+ 40
965	Daru	9 4	143 13	8	1006·6	1007·5	−2·1	304·2	..	..	296·9	..	..	300·6	+0·3	..	221	− 79
966	Port Moresby	9 29	147 9	39	1003·1	1007·5	−1·4	303·2	..	..	297·3	..	..	300·5	−0·2	..	453	+219
967	Rakuranga	4 13	152 8	ca.120	..	..	..	..	..	..	..	..	..	..	..	..	138	..
968	Rendova	8 24	157 19	..	..	..	..	303·4	304·5	..	295·0	294·0	..	299·2	..	..	297	+303
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1004·0	1004·2	−2·7	303·6	306·3	28th	297·3	296·3	22nd	300·4	−0·1	..	834	+384
970	Ocean Island	0 52 S.	169 36 E.	48·5	1002·7	1008·3	+0·3	304·7	306·1	14th	298·3	297·4	6, 7, 9	301·5	+0·7	..	163	− 77

FEBRUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
1001																		
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1006·3	1010·6	+3·0	303·5	308·6	26th	295·4	294·7	6, 17, 25	299·5	−0·6	..	629	+313
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	1004·9	1010·3	+0·2	303·8	305·2	..	296·1	293·7	..	300·0	..	..	62	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	303·3	304·4	sev. dates	290·0	288·3	26th, 27th	296·7	+2·6	294·5	0	..
1022	Arequipa	16 22	71 33	2451	760·4	..	−0·2	292·2	294·7	9th	284·1	280·2	3rd	288·2	+0·5	..	20	− 70
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	288·5	−2·1	..	226	+112
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	298·2	+0·1	..	114	− 80
1026	Cuyaba	15 36	56 0	235	990·2	1016·9	0·0	305·0	307·1	..	297·9	296·0	..	301·5	+1·7	..	222	− 5
1035	St. Helena	15 57 S.	W 5 40 E.	632	944·6	1017·0	−0·7	294·7	297·2	24th	288·1	286·6	5th	291·4	−0·3	291·2	74	− 13
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	856·6	..	−1·0	298·6	303·1	..	286·7	283·0	..	292·7	−0·8	..	162	+ 43
1043	Salisbury, Rhodesia	17 49	31 3	1487	855·6	..	+1·1	297·6	302·0	..	287·2	285·0	..	292·4	−0·8	..	172	− 13
1044	Zomba	15 23	35 18	899	905·3	1005·0	+2·8	298·8	301·9	5th	290·6	288·0	18th	294·7	−0·2	294·0	34	+ 61
1045	Tamatave	18 9	49 26	4	1011·3	1011·7	+1·5	..	..	..	297·0	295·2	..	299·8	−1·1	..	422	+ 96
1046	Tananarivo	18 55	47 32	1400	863·2	..	+0·7	298·0	300·8	21st	288·8	285·8	20th	293·4	−1·0	292·4	278	− 8
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1013·2	+2·7	303·3	305·1	28th	297·4	295·8	9th	300·4	+0·3	..	171	− 8
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1007·4	1008·0	+0·7	303·4	306·4	..	296·4	294·8	..	299·9	−0·5	..	204	− 80
1058																		
1061	Derby	17 18	123 40	16·2	..	1007·4	+0·5	307·9	310·9	15th	299·6	294·8	24th	303·8	−0·6	..	53	−111
1062	Hall's Creek	18 13	127 46	373·4	..	1005·9	−1·0	310·9	313·4	27th	296·4	290·9	27th	303·7	+0·8	..	84	− 58
1063	Port Darwin	12 28	130 51	29·6	..	1005·6	−0·4	305·4	307·8	24th	298·3	294·2	7th	301·8	+0·3	300·7	248	− 55
1064	Daly Waters	16 16	133 23	213	..	1004·2	..	309·7	313·0	20th, 21st	295·6	293·0	20th, 21st	302·7	−0·1	302·2	138	− 34
1065	Mein	13 13	142 57	121·9	..	1003·7	..	303·9	307·4	13th	296·5	294·4	7th	300·2	..	..	698	+430
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1005·2	..	304·8	308·0	16th	295·2	292·6	12th, 28th	300·0	..	..	110	− 64
1067	Samarai	10 37	150 40	6·4	1005·7	1006·5	−1·5	302·7	..	..	297·9	..	..	300·3	−0·4	..	256	+ 19
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	304·9	307·0	13th, 28th	295·7	291·5	17th	300·3	..	..	222	..
1071																		
1072	Suva, Fiji	18 8 S. ° ′	178 26 E. ° ′	14·8	..	1006·4	−2·7	303·1	305·8	11th, 13th	296·2	293·6	17th	299·6	−0·3	..	288	+ 56
				metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

FEBRUARY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	301·4	302·4	3rd, 16th	296·6	292·4	12th	299·0	..	..	227	− 23
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1010·3	1013·3	−0·9	294·2	299·0	11th	284·3	282·0	sev. dates	289·3	−1·5	289·1	0	0
1122	Puerto de Antofagasta	23 39	70 25	10	..	..	..	299·4	300·9	2nd	287·9	287·5	22nd	293·7	−1·6	..	0	0
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	..	300·6	+2·3	299·3	80	− 16
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	36	− 20
1127	Curityba	25 26	49 16	908	913·0	1014·6	+0·5	299·3	304·7	..	289·4	284·7	..	294·4	+0·4	293·8	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1004·5	1011·9	+0·1	..	..	..	..	..	..	298·4	−0·7	..	88	− 23
1139	Windhuk	22 34	E17 5	1665·3	833·2	..	..	301·9	304·8	25th	290·2	287·3	20th	296·1	+0·6	295·6	79	+ 10
1140																		
1141	Johannesburg	26 11	28 4	1806	823·4	..	+0·7	297·3	302·4	16th	285·4	279·6	25th	291·4	+0·3	290·9	79	− 46
1142	Kimberley	28 43	28 46	?1232	881·1	..	0·0	305·8	..	..	289·4	..	..	297·6	+0·9	297·1	..	..
1142a	Pretoria	25 45	28 11	1338	868·9	..	+0·7	301·6	306·7	19th	286·9	281·8	27th	294·2	−0·3	..	113	− 1
1143	Durban	29 51	31 0	79·9	..	..	..	..	..	..	..	..	..	..	..	..	103	− 15
1144	Lorenzo Marques	25 58	32 36	59	..	1013·6	+0·8	303·9	310·0	18th	293·7	290·2	27th	298·8	−0·2	298·3	69	− 20
1147	Mauritius	20 6	57 33	54·3	1004·1	1010·5	−0·5	301·4	302·8	21st	295·5	292·4	21st	298·5	−0·7	298·1	322	+143
1148																		
1159	Onslow	21 43	114 57	4·3	..	1005·5	−1·1	309·8	316·2	22nd	296·9	294·0	14th	303·3	+0·3	..	43	+ 26
1160	Peak Hill	25 38	118 47	588·3	..	1005·7	−1·0	310·9	314·7	3rd	296·4	290·1	28th	303·7	+0·8	..	2	− 29
1161	Nullagine	21 53	120 5	385·6	..	1005·6	−0·4	312·4	315·7	1st	298·2	294·7	13th	305·3	+1·0	..	8	− 39
1162	Laverton	28 40	122 23	466·3	..	1011·5	+0·3	306·3	315·8	21st	291·4	287·8	28th	298·9	−0·7	..	2	− 20
1163	Alice Springs	23 38	133 37	587·0	..	1006·3	−0·6	307·3	312·4	27th	292·5	286·6	17th	299·9	−1·1	300·1	3	− 40
1164	William Creek	28 55	136 21	762	..	1009·8	..	305·5	312·4	26th	292·1	286·6	28th	298·8	..	298·6	8	− 2
1165	Boulia	22 55	139 38	145·7	..	1004·2	..	310·2	315·2	13th	295·9	292·2	18th	303·0	..	..	32	− 25
1166	Mitchell	26 32	147 52	337·1	..	1007·9	..	301·3	305·2	28th	290·5	285·8	18th	295·9	..	..	250	+173
1167	Rockhampton	23 24	150 30	11·3	..	1007·2	..	302·7	306·3	4th	294·7	293·3	7th	298·7	..	..	39	−165
1168	Brisbane	27 28	153 2	41·7	..	1011·5	−0·7	300·6	307·2	16th	292·9	290·3	28th	296·8	−0·9	..	149	− 22
1169	Noumea	22 16	166 27	9	1004·1	1005·1	..	302·3	306·0	1st	296·1	294·4	15th	299·2	−0·3	..	110	− 2
1170	Norfolk Island	29 4 S.	167 58 E.	..	..	..	..	..	..	..	..	..	..	..	..	..	141	− 10

FEBRUARY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219	Juan Fernandez	33 37	78 50	10	1019·4	1020·6	+1·7	294·6	298·4	1st	..	..	..	291·6	−1·6	..	20	− 12
1220	Punta Angeles, Valparaiso	33 1	71 38	40	1009·0	1013·7	0·0	293·5	301·8	8th	286·0	284·4	27th, 28th	289·8	−2·5	288·4	1	0
1221	Santiago	33 27	70 42	520	952·7	1012·2	−0·6	302·1	308·3	9th	282·6	279·5	23rd	292·4	−1·2	291·4	0	− 2
1222	Cordoba	31 25	64 12	439	962·2	1011·9	+0·1	..	..	..	..	..	..	297·5	+0·2	..	127	+ 21
1223	Buenos Ayres	34 16	64 11	25·2	1009·8	1012·7	−0·1	..	..	..	..	..	..	294·7	−1·4	..	105	+ 40
1225	Montevideo	34 52	W56 12	29·3	1010·5	1013·9	+0·8	299·2	311·2	2nd	288·9	283·2	11th	294·1	−1·3	293·6	157	+ 91
1226																		
1239	Cape Town	33 56	E18 29	9	..	1013·5	+0·1	301·1	310·4	10th	289·9	285·2	15th	295·5	+1·4	..	13	− 4
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	18	..
1241	Heidelberg	34 5	20 58	1541	850·0	..	+1·2	300·4	303·9	..	285·1	?283·1	..	292·8	0·0	..	119	+ 92
1242	East London	33 2	27 55	10·1	1013·0	1014·2	+0·2	297·9	301·3	12th	291·3	288·6	2nd	294·6	+0·4	..	86	+ 30
1259	Perth (Observatory)	31 57	115 51	60·0	..	1014·4	+1·0	302·6	311·4	1st	290·3	284·9	22nd	296·4	−0·1	..	1	− 3
1260	Katanning	33 42	117 35	309·7	..	1014·5	+0·4	302·8	313·3	2nd	285·8	279·4	27th	294·3	+0·2	..	1	− 10
1261	Coolgardie	30 57	121 10	423·3	..	1013·7	+1·2	304·3	312·8	20th	288·2	283·6	13th, 28th	296·2	−1·0	..	0	− 19
1262	Eucla	31 45	128 58	4·6	..	1015·0	+0·7	298·2	315·1	21st	290·3	286·1	13th	294·2	−0·4	..	13	0
1263	Streaky Bay	32 48	134 13	13·1	..	1014·1	0·0	299·2	310·2	21st	288·7	284·3	28th	293·9	−1·3	..	35	+ 24
1264	Adelaide	34 56	138 35	42·7	..	1012·7	−1·5	299·8	309·4	22nd	289·4	283·3	26th	294·7	−1·7	294·1	33	− 18
1265	Melbourne	37 49	144 57	35·1	..	1012·4	−2·2	297·8	305·4	8th	288·6	284·3	20th	293·2	+0·6	292·8	136	+ 93
1266	Bourke	30 13	145 58	110·1	..	1011·7	−1·0	303·1	311·1	27th	291·3	287·2	11, 17, 18	297·2	−4·1	..	109	+ 62
1267	Sydney	33 51	151 13	44·5	..	1013·9	−0·1	298·4	304·1	27th	291·4	288·2	17th	294·9	+0·3	..	125	+ 5
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	70	− 48
1271	Auckland	36 50	174 50	38·1	..	..	..	296·0	298·3	13th	287·7	283·3	6th	291·8	−0·6	..	45	− 29
1272		S.	E.															

FEBRUARY—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	58	..	..	..	290·1	291·9	4th	283·0	278·6	twice	286·6	−0·3	..	99	+ 40
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	282·8	278·0	5th	286·0	−1·2	285·0	67	− 17
1322	Punta Galera	40 1	73 44	40	1011·4	1016·2	+0·4	288·0	292·4	10th	282·2	280·4	27th	285·1	−1·5	284·2	27	− 62
1323	Bahia Blanca	38 45	W62 12	20	1010·6	1012·9	+3·4	..	..	..	..	..	..	294·7	−2·1	..	45	− 11
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1013·6	+1·5	295·7	303·1	8th	286·7	282·4	24th	291·2	+1·6	289·9	58	+ 20
1366	Launceston	41 27	147 10	9·4	..	1013·0	..	297·8	303·6	1st	286·9	281·8	28th	292·4	+1·3	..	62	+ 34
1369																		
1370	Dunedin	45 52	170 31	90	..	1017·6	+5·6	291·9	297·4	various	282·7	279·1	5th	287·3	+0·1	..	13	− 61
1371	Christchurch	43 32	172 38	7·6	..	1018·5	+4·5	291·9	295·7	15th	283·7	276·7	9th	287·8	−1·4	..	60	+ 13
1372	Wellington	41 16 S. ° ′	174 46 E. ° ′	33·5	..	1017·7	+2·8	292·5	296·7	18th	284·9	281·1	5th	288·7	−1·2	..	193	+108
				metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

FEBRUARY—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24	75 6	55	..	..	..	286·3	287·4	25th	279·2	276·8	15th	282·8	+1·0	..	248	— 2
1422	Puerto de Punta Arenas .	53 10	70 54	4	1006·0	1006·5	+11·0	287·3	293·6	18th	279·9	275·4	3rd	283·6	−0·1	283·7	17	— 13
1423	Punta Dungeness . .	52 24	68 25	5	..	..	..	288·5	293·6	19th	281·4	277·6	25th	285·0	+1·0	..	10	— 13
1424																		
1425	Cape Pembroke . . .	51 41	57 42	21	..	1004·1	+ 3·5	285·6	290·8	8, 9, 19	279·0	276·9	5th, 25th	282·3	+0·3	282·2	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1430		S.	W.															

FEBRUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys . . .	S. 60 44	W. 44 39	6·9	993·7	994·6	+ 3·7	275·6	281·0	..	271·4	268·0	..	273·5	0·0	273·6	48	+17
1528																		

FEBRUARY—ZONE 16. Between Latitude 70° S. and 80° S.

1605	Framheim	S. 78 38	W. 163 37	11·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1669																		
1670	Cape Evans(McMurdo Sound)	S. 77 38	E. 166 24	18	..	992·5	−1·0	..	273·6	..	..	251·6	..	..	+1·0	265·6	..	..
1671	Cape Adare . . .	71 18	170 9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—FEBRUARY 1911.

Date.	St. Helena.* 1035. Direction. 9 a.m.	St. Helena.* 1035. Mean Velocity for the Day. m/s.	Fanning Island. 805. Direction and Force. 9 a.m.	Fanning Island. 805. Direction and Force. 9 p.m.	Sierra Leone. 834. Direction and Force. 9 a.m.	Sierra Leone. 834. Direction and Force. 5 p.m.	Malden Island. 905. Direction and Force. 9 a.m.	Malden Island. 905. Direction and Force. 8 p.m.	Tulagi. 969. Direction and Force. 9 a.m.	Ocean Island. 970. Direction and Force. 9 a.m.	Ocean Island. 970. Direction and Force. 9 p.m.	Suva, Fiji. 1072. Direction. 9 a.m.	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m. m/s.
1	SE by S	8·4	SE 4	SE 4	Calm 0	W 4	NE 3	E 1	NW 2	E 5	E 3	SE	1·3
2	SSE	9·0	SE 4	SE 4	W 2	W 3	NE 3	NE 1	NW 2	E 3	E 7	SE	1·9
3	SSE	8·8	SE 4	SE 4	W 3	W 3	NE 3	E 2	Calm 0	E 3	E 4	Calm	1·7
4	SSE	10·1	SE 4	SE 4	SW 2	W 4	E 4	E 3	NW 5	E 4	E 5	SW	2·7
5	SSE	7·7	E 4	SE 4	W 2	W 5	E 4	E 4	NW 7	E 4	E 3	S	3·1
6	SSE	7·4	SE 4	SE 4	N 2	W 4	E 5	E 2	NW 3	E 3	E 4	Calm	1·0
7	S by E	8·2	SE 4	SE 4	Calm 0	W 4	E 5	E 2	NW 7	E 5	E 4	N	1·1
8	SSE	6·2	SE 4	SE 4	N 2	W 4	E 4	E 1	NW 2	E 3	E 5	NE	1·4
9	S by E	4·8	SE 4	SE 4	W 2	W 5	E 5	E 2	NW 6	E 3	E 5	N	2·4
10	S by E	8·1	E 5	E 4	Calm 0	W 4	E 4	E 2	NW 8	E 2	E 3	Calm	1·0
11	SSE	8·9	SE 4	SE 4	Calm 0	W 5	E 4	E 3	Calm 0	E 3	E 2	NE	0·7
12	SSE	7·7	SE 4	SE 4	N 3	W 4	E 4	E 3	NW 3	E 2	E 1	SW	1·0
13	S by E	..	SE 4	SE 4	W 4	W 5	E 4	E 3	NW 3	E 4	SW 7	N	0·7
14	SSE	7·7	E 5	E 4	W 4	W 4	E 5	E 2	Calm 0	SW 3	SW 4	Calm	1·3
15	SE	5·7	SE 4	SE 4	W 5	W 5	E 5	E 2	NW 4	SW 3	SW 4	Calm	1·2
16	S by E	6·1	SE 4	SE 4	Calm 0	W 4	E 3	E 2	NW 7	SW 2	SW 3	S	2·8
17	SSE	8·7	SE 4	SE 2	W 3	W 4	E 3	E 1	NW 6	W 4	SW 4	Calm	1·0
18	SSE	8·0	SE 4	SE 4	N 3	W 4	E 3	E 2	NW 7	W 2	SW 3	Calm	0·5
19	SE by S	..	SE 4	SE 4	NE 4	W 5	E 3	E 3	NW 4	W 2	W 5	SE	4·3
20	SSE	..	SE 4	SE 4	N 3	W 4	E 3	E 2	NW 8	SW 4	W 4	SE	1·7
21	SSE	6·4	E 4	SE 4	Calm 0	W 4	NE 3	NE 3	NW 4	W 3	W 4	NE	7·6
22	SSE	6·8	NE 5	NE 5	NW 3	W 4	NE 3	E 2	NW 6	SW 10	SW 10	Calm	1·9
23	SSE	7·1	E 4	SE 4	W 3	W 4	NE 3	E 2	NW 4	SW 8	SW 7	NE	0·9
24	SSE	5·8	E 4	SE 4	NE 2	W 4	E 3	E 2	W 3	W 4	W 7	N	1·9
25	SSE	8·0	E 4	E 4	N 2	W 5	E 3	E 2	W 4	W 10	W 7	NE	1·0
26	SSE	7·4	SE 4	SE 4	N 2	W 4	NE 3	E 1	NW 3	W 8	W 8	E	1·3
27	SE	4·3	SE 4	SE 4	W 2	W 4	NE 3	NE 1	NW 2	W 8	W 7	SE	2·4
28	SSE	7·9	NE 4	E 4	NE 3	W 5	NE 2	NE 1	NW 3	W 4	W 4	Calm	1·8
Mean for Month	..	7·4	4·1	4·0	2·2	4·2	3·6	2·0	4·0	4·3	4·8	..	..
Deviation from Normal	..	+ 0·5	..	..	..	..	−0·6		..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—FEBRUARY 1911.

**The Seas round Novaja Zemlja and Spitsbergen.* See January. **The Greenland Sea, Iceland and the Denmark Strait. Iceland.*—"In Patricksfjord young ice was formed on the 6th. Towards the end of the month a few hummocks were observed under the land W. of Langenæs; and from Langenæs, as well as from Sighufjord and Cape North, the end of the polar ice was observed not far off the N. coast. Otherwise the coasts of Iceland were ice-free."

* "At *Angmagsalik* the 'Storis' left the coast at about the middle of the month, but towards the end of the month it again lay close inshore."

The North Atlantic and Labrador.—"On the Newfoundland Banks and on the east coast of Newfoundland large ice-fields were observed, extending from 30 to 100 miles eastward, but not as far as to the steamer routes. About 260 miles E. of Newfoundland an especially large ice-field containing eight icebergs was observed; and four icebergs, one of which was over 100 feet high, and much field ice, were observed in 47° N., 47° W. on the 26th. Also at Nova Scotia several ice-fields were met."

"About the middle of February the light-house at Flint Island, Cape Breton, was isolated by ice. Huge blocks of ice in Cabot Strait and around Flint Island were reported as the heaviest on record for some years. The islets of the coast were unapproachable from seaward."

"In the St. Lawrence Bay there was much ice, in which some steamers were beset."

* *Davis Strait.*—"N. of Holstensborg the west ice continued lying firm. Further S. the sea was ice-free until the 19th, when the first 'Storis' of the season passed Pamiagdluk and remained along the coast throughout the month. On the 21st the ice reached to between Nanortalik and Juliaanehab, but did not reach further N. during this month."

**Baffin Bay.*—"In Melville Bay the ice lay firm, but in the offing off Wolstenholm Sound the sea was ice-free to about a few miles from Northumberland Island."

* *Isforholdene i de arktiske Have, 1911*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MARCH 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MARCH 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. MARCH—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay . .	76 30	68 55	6·5	1002·6	1003·5	..	..	..	..	..	..	..	248·2	..	*248·1*	4	..
124																		
125	Upernivik	72 47	W56 7	18·9	1003·9	1006·5	−6·1	258·6	278·7	19th	248·1	238·8	3rd	253·4	+1·2	*253·0*	16	−5
126																		
139	Spitsbergen . . .	78 2	E 14 14	11·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1005·0	1005·7	+0·5	..	277·0	26th	267·9	262·3	1st	..	+1·0	*270·6*	61	+14
142	Mehavn	71 1	27 47	6·4	1005·4	1005·9	..	..	277·5	26th	267·3	260·2	10th	..	..	*269·9*	59	+12
143	Vardö	70 22	31 8	10·0	1005·0	1005·8	−0·4	..	276·6	26th	266·9	262·7	20th	..	+1·2	*269·3*	74	+25
144		N.	E.															

Between Latitude 70° N. and 60° N. MARCH—ZONE 2.

209	Dawson	N. 64 4	W. 139 20	321	973·5	1021·7	−0·6	263·8	275·8	28th	251·1	229·1	13th	257·4	+0·5	..	20	..
210	Carcross	60 11	134 34	662	..	..	..	267·7	277·4	16th, 29th	255·2	236·9	10th	261·4	..	..	5	..
211																		
212	Fort Simpson . . .	61 52	120 43	129	998·0	1015·3	..	265·0	283·7	..	250·9	231·2	..	257·9	..	*258·7*	19	..
213																		
214	Hay River	60 51	115 20	161	993·3	1014·5	..	264·2	281·2	19th	251·0	232·2	9th	257·6	..	..	27	..
225																		
226	Jacobshavn . . .	69 13	51 2	12·6	1002·8	1004·5	−6·3	262·7	279·2	23rd	251·1	231·7	3rd	256·9	−0·9	*256·9*	11	− 2
229	Godthaab	64 11	51 44	9	998·4	999·6	−6·5	269·8	276·8	22nd	262·3	252·6	9th, 10th	266·1	+1·1	*265·6*	61	+14
230	Angmagsalik . . .	65 37	37 34	31·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
231																		
232	Stykkisholm . . .	66 5	22 46	11·3	1009·4	1010·9	+4·9	275·8	281·1	28th, 29th	270·0	260·9	1st	272·9	+2·5	*273·2*	56	+ 7
232	Vestmanno	63 26	20 15	7·7	1011·9	1012·8	+8·0	278·6	283·2	29th	273·4	263·4	1st	276·0	+1·8	*276·0*	97	−10
233	Grimsey (Akureyri) .	66 33	17 58	6·8	1010·6	1011·5	+3·6	274·7	278·3	27th	269·7	260·8	2nd	272·2	+2·7	*272·0*	1	−26
234	Berufjord	64 40	14 19	18	1009·5	1011·8	+4·8	277·0	281·3	29th	269·3	262·0	2nd	273·2	+2·1	*273·3*	56	−21
235	Thorshavn	62 3	W 6 45	25·7	1012·4	1015·5	+8·5	278·9	282·5	28th	272·2	268·4	12th	275·6	−0·4	..	47	−98
236																		
237	Bergen (Met. Obs.) .	60 24	E 5 19	44·4	1008·3	1013·7	+2·6	..	283·6	29th	272·3	269·1	19th	..	+0·3	*275·2*	69	−82
238	Christiansund . .	63 7	7 45	17·8	1010·6	1011·9	+2·7	..	280·4	29th	273·2	270·0	18th	..	+0·7	*275·3*	86	+ 6
239	Trondhjem . . .	63 26	10 25	39·5	1008·6	1012·9	+2·9	..	279·1	10th	269·5	261·8	18th	..	+1·0	*272·9*	57	−19
240	Bodö	67 17	14 24	20·5	1007·9	1010·2	+2·7	..	277·6	26th	269·3	264·2	8th	..	+0·8	*272·2*	61	+ 1
241	Haparanda	65 50	24 9	9·2	1009·0	1010·2	+0·5	272·0	279·5	27th	262·7	254·5	16th, 25th	267·4	+2·8	*268·3*	28	+ 1
242a	Helsingfors . . .	60 10	24 57	11·7	..	1015·0	+3·5	..	278	..	..	258	..	271·0	+2·0	*270·9*	17	−13
242a	Kuopio	62 54	27 40	99·7	..	1013·9	+3·0	..	278	..	..	257	..	269·9	+2·7	*269·8*	14	..
243																		
244	Kola	68 53	33 1	6·7	1007·0	1007·9	+1·6	..	275·0	22nd	261·2	248·3	10th	266·7	+1·2	*266·6*	43	+37
245	Petrozavodsk . . .	61 47	34 23	38·9	1008·7	1013·7	+2·2	..	278·5	27th	264·4	250·7	1st	269·8	+2·5	*269·7*	..	..
246	Arkhangelsk . . .	64 33	40 32	6·7	..	1011·5	+2·4	..	274	..	..	244	..	266·1	+0·5	*265·9*	27	+ 7
247	Velsk	61 5	42 7	? 87	1004·6	1015·9	..	..	276·0	27th 31st	260·6	243·7	18th	266·8	..	*266·7*	7	..
248	Oust-Tsylma . . .	65 27	52 10	? 25	..	1011·1	−4·3	..	274	..	..	234	..	259·7	−3·3	*259·5*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	997·1	1013·3	..	..	274·6	10th	256·6	240·2	21st	262·3	..	*262·1*	23	..
249																		
250	Berezov	63 56	65 4	39·9	1009·4	1014·8	+1·4	..	267·4	28th, 31st	248·4	240·2	15th, 24th	253·5	−8·2	*253·3*	24	+13
251	Obdorsk	66 31	66 35	24·2	1011·9	1015·3	+5·0	..	267·2	28th	241·9	229·9	3rd	247·4	−8·9	*247·2*	9	+ 4
252	Sourgout	61 15	73 24	40	1009·5	1015·0	−3·3	..	268·7	10th	245·3	229·7	25th	252·8	−8·0	*252·6*	14	+ 1
253																		
254	Touroukhansk . . .	65 55	87 38	? 40	1009·6	1015·1	−4·8	..	267·0	29th	245·2	230·7	7th	251·3	−7·0	*251·1*	10	0
	Doudinka	69 7	87 0	? 20	1011·4	1014·2	..	..	265·9	..	..	..	..	246·8	..	*246·6*	5	..
261																		
262	Olekminsk	60 22	120 26	? 202	..	..	..	..	278·0	24th	..	..	..	253·5	−2·7	*253·3*	5	..
263	Iakoutsk	62 1	129 43	? 108	..	..	..	..	274·3	24th	240·3	230·4	7th	251·4	+1·5	*251·2*	11	+ 7
264	Verkholansk . . .	67 33	133 24	? 100	1002·6	1016·7	−0·5	..	270·7	24th	235·4	223·8	22nd	245·1	+4·2	*244·9*	..	..
	Oust-Maïskoe . . .	60 25	134 29	? 100	..	..	..	..	274·0	24th	244·8	231·8	2nd, 16th	253·2	..	*253·0*	1	..
271																		
272	Markovo sur Anadyr .	64 45	170 50	? 20	1014·3	1017·1	..	..	262·0	6th	239·1	225·1	16th	247·2	..	..	2	..
	Novo-Mariinskii Post	64 45	177 33	? 3	1017·5	1017·9	..	..	265·9	6th	241·8	235·0	16th	247·7	..	..	4	..
		N. ° ′	E. ° ′	metres	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MARCH—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
307																		
308																		
309		N.	W.															
310	Prince Rupert	54 18	130 18	52	1007·1	1013·5	..	278·4	282·4	..	273·2	270·2	..	275·8	..	..	506	..
311	Barkerville	53 2	121 35	1274	..	1013·2	..	275·4	279·7	19th	267·7	260·2	21st	271·6	+2·1	*271·7*	104	+52
312	Kamloops	50 41	120 29	379	..	1015·7	+1·2	283·1	291·1	29th	271·2	261·2	1st	277·1	+1·4	*277·0*	3	−8
313	Calgary	51 2	114 2	1033	..	1011·7	−5·9	280·0	290·8	19th	268·9	260·8	4th, 11th	274·4	+6·6	*274·5*	26	+8
314	Fort Chipewyan	58 42	111 10	218	984·9	1013·2	..	267·4	280·2	19th	254·7	241·3	9th	261·1	..	*261·9*	?	..
315	Prince Albert	53 10	106 0	436	959·3	1013·9	−2·3	273·5	284·9	20th	261·1	256·9	15th	267·3	+5·2	*267·9*	3	−23
316	Qu'Appelle	50 30	103 47	645	934·8	1014·2	−3·1	272·8	280·8	24th	263·4	248·6	15th	268·1	+4·9	*268·6*	8	−19
317	Minnedosa	50 15	99 50	515	950·6	1014·9	..	272·6	279·7	..	261·3	246·6	..	266·9	+3·4	*266·9*	6	−15
318	Berens River	52 18	97 23	216	..	..	..	271·7	281·3	..	256·4	241·9	..	264·1	..	*264·1*	10	..
318*a*	Fort Churchill	58 51	94 11	9	1012·7	1013·9	+3·1	260·5	275·2	..	245·3	236·3	..	252·9	−0·5	..	?	..
319	Fort Hope	51 32	87 48	..	979·9	..	..	269·8	283·0	25th	257·9	245·2	9th, 15th	263·8	..	..	0	..
320	Moose Factory	51 16	80 56	9	1010·7	1011·8	..	270·2	283·6	26th	255·6	240·2	3rd	262·9	..	..	3	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	1001·8	1003·8	−6·6	262·1	274·6	..	253·2	241·5	..	257·6	−1·1	..	..	..
324	Nain	56 33	61 41	4·2	1003·3	1003·9	−7·1	263·8	273·5	..	253·9	241·3	..	258·9	−0·4	..	..	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	279·7	31st	..	250·2	26th	265·6	−1·1	..	33	−38
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1013·4	1015·1	+1·1	282·5	286·3	31st	277·2	272·4	16th	279·9	−0·3	280·1	99	−9
335	Aberdeen	57 10	2 6	27·4	1012·7	1015·9	+5·6	279·6	285·8	3rd	275·7	273·6	24th	277·7	+0·4	277·6	44	−15
336	Greenwich	51 28	W 0 0	48·5	1007·7	1013·7	−0·6	282·1	289·7	21st	275·1	271·3	10th, 17th	278·6	0·0	278·5	42	+4
337	Uccle	50 48	E 4 22	100	999·7	1012·1	−2·5	282·8	293·3	29th	275·2	271·1	17th	279·0	+0·7	278·7	86	+28
338	De Bilt	52 6	5 11	3·0	1011·9	1012·3	−1·1	282·3	294·8	31st	274·6	269·0	16th	278·6	+1	278·1	54	+6
338*a*	Hamburg	53 33	9 59	26·0	1009·6	1012·8	+0·3	280·9	292·5	30th	275·0	270·7	24th	278·0	+1·3	277·6	35	−19
339	Copenhagen	55 41	12 36	5·0	1013·6	1014·2	+1·4	277·7	283·1	31st	273·2	270·7	18th	275·5	+1·4	*275·5*	26	−9
340	Potsdam	52 23	13 4	84·9	1002·8	1013·4	−0·4	281·8	296·3	30th	273·5	268·8	20th	277·7	+0·8	277·1	31	−8
340*a*	Upsala	59 51	17 38	24·0	1012·0	1015·0	+3·8	276·4	283·4	28th	268·9	261·0	19th	272·7	+2·3	272·8	10	−21
341	Warsaw	52 15	21 1	127	1000·2	1016·1	+1·5	279·4	293·3	31st	273·3	267·9	20th	276·4	+2·7	*276·1*	35	+1
342	Jurjev	58 23	26 43	74·5	1007·5	1017·0	+4·6	274·5	280·8	..	266·8	258·9	..	270·7	+2·9	270·8	10	−20
343	Petrograd	59 56	30 16	4·8	..	1016·2	+4·0	..	276	..	..	255	..	269·3	+1·0	*269·3*	26	+1
344	Kiev	50 27	30 30	182·9	..	1020·3	+4·7	..	283	..	..	264	..	272·2	−0·2	*272·1*	12	−28
344*a*	Moscow	55 45	37 34	156	1001·0	1021·1	+5·7	272·2	277·5	7th	263·2	254·6	1st	267·7	+1·0	267·7	16	−15
345	Saratov	51 32	46 3	59·9	..	1024·7	+7·7	..	275	..	..	252	..	266·2	−2·4	*266·1*	7	−13
346	Kazan	55 47	49 8	79·8	1011·0	1021·4	+3·4	..	276·0	8th	..	252·2	22nd	265·0	−1·4	*264·9*	7	−8
347	Orenburg	51 45	55 6	114·1	..	1025·4	+3·9	..	274	..	..	247	..	261·5	−3·3	*261·4*	10	−15
348	Perm	58 1	56 15	163·0	..	1018·2	+0·6	..	275	..	..	245	..	263·8	−2·2	*263·7*	23	+3
349	Ekaterinburg	56 50	60 38	288·9	..	1018·7	−0·4	..	275	..	..	244	..	264·2	−1·4	*264·1*	3	−7
350	Tobolsk	58 12	68 14	108·3	1002·6	1016·9	..	..	273·2	4th	257·3	246·6	22nd, 23rd	262·1	−2·3	*262·0*	21	+5
351	Akmolinsk	51 12	71 23	?347	977·6	1021·7	−3·3	..	276·0	7th	252·5	242·4	24th	259·7	−3·7	*259·6*	27	+20
352	Omsk	54 58	73 23	87·3	1007·0	1018·7	−5·3	..	273·4	22nd	255·7	250·7	17th	260·7	−1·5	*260·6*	10	+1
353	Barnaoul	53 20	83 47	157·7	1001·8	1022·5	−4·9	..	281·8	22nd	255·8	239·0	7th	262·1	−1·0	*261·9*	19	+9
354	Tomsk	56 30	84 58	121·6	1003·5	1019·7	−4·7	..	276·8	22nd	254·6	233·1	7th	260·2	−3·1	*260·0*	32	+11
355	Minousinsk	53 43	91 41	?255	990·4	1023·6	..	..	282·4	30th, 31st	256·4	238·1	8th	262·7	..	*262·6*	6	+3
356	Eniseisk	58 27	92 11	84·4	1008·2	1019·5	−3·7	..	276·4	22nd	251·3	234·7	8th	258·8	−4·9	*258·6*	2	−10
357	Irkutsk	52 16	104 19	467·0	962·8	1023·6	−3·8	..	281·1	31st	255·8	241·9	10th	263·0	−1·0	*263·0*	2	−5
358	Kirensk	57 47	108 7	?263	988·2	1023·1	..	..	280·3	31st	248·1	230·9	8th	257·0	..	*256·9*	..	..
359	Tchita	52 2	113 30	673·8	937·5	1023·5	..	..	274·1	31st	251·8	239·2	10th	259·5	..	..	5	..
360	Blagoveshchensk Priisk	58 10	114 17	?490	960·7	1025·7	..	..	274·4	23rd	244·4	232·7	10th	253·7	..	*253·6*	9	+2
360*a*	Nertchinsk	51 59	116 35	484·3	961·4	1025·2	..	..	270·6	31st	247·7	237·7	28th	255·5	−8·0	*255·5*	11	+6
361	Tygan Ourkan	54 5	124 46	?370	975·4	1024·6	..	..	275·4	24th	244·9	235·5	7th	256·1	..	*256·1*	4	..
362	Blagoveshchensk	50 15	127 38	?160	..	1019·1	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	?168	..	..	..	..	276·0	26th	246·9	238·7	11th	257·7	..	*257·7*	5	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1014·8	1017·6	+2·0	..	280·2	27th	251·9	242·3	18th	260·0	−0·6	*259·8*	7	−13
366	Okhotsk	59 21	143 17	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk Phare	52 53	158 47	87·1	995·6	1006·8	−0·5	..	273·2	4th, 27th	264·1	254·7	20th	267·1	−0·8	..	30	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

MARCH—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N. ′	W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1018·9	+5·4	283·9	286·9	15th	275·1	270·3	2nd	279·5	−0·3	279·3	49	−20
412	Portland, Oregon	45 32	122 41	46·6	1013·8	1019·3	+2·7	287·9	296·9	31st	277·2	273·4	2nd	282·6	+1·6	*282·2*	16	116
413	Macleod	49 44	113 24	954	..	..	..	281·7	293·6	20th	268·4	256·3	9th	275·1	+6·7	*275·1*	0	−18
414	Helena	46 34	112 4	1253	872·9	1016·6	+0·3	282·6	289·7	20th	271·2	256·9	1st	276·9	+4·4	*276·8*	12	−7
414*a*	Salt Lake City	40 46	111 54	1331	869·5	1018·6	+3·4	284·7	292·4	30th	275·0	268·6	1st	279·9	+1·7	279·8	52	+1
415	Cheyenne	41 8	104 48	1856	812·3	1016·9	+2·4	283·9	290·8	20th	270·4	264·7	27th	277·1	+3·6	*276·9*	4	−20
416	North Platte	41 8	100 45	860	917·8	1018·3	+2·4	288·9	299·7	20th	270·2	263·0	1st	279·6	+4·7	*279·4*	5	−17
416*a*	Bismarck	46 47	100 38	510·2	954·9	1016·9	−1·0	280·4	295·8	20th	266·4	252·4	4th	273·4	+5·9	*273·2*	8	−19
417	Winnipeg	49 53	97 7	231·6	..	1015·6	−3·3	273·8	284·4	24th	262·8	248·9	3rd	268·3	+4·9	*268·0*	7	−25
418	Duluth	46 47	92 6	345·3	972·4	1014·9	−3·0	276·2	286·3	25th	265·8	251·3	15th	271·0	+2·4	*271·1*	42	+3
419	Port Arthur	48 27	89 12	196·3	..	1014·2	−3·7	276·0	286·9	25th	263·3	248·6	15th	269·7	+3·8	*269·7*	19	−6
420	Chicago	41 53	87 37	250·9	986·8	1017·6	+0·7	281·4	295·8	21st	272·6	262·4	16th	277·0	+2·7	*276·9*	37	−28
421	Toronto	43 40	79 24	106·7	..	1016·1	−1·2	275·9	285·9	27th	267·9	255·9	16th	271·9	+0·1	271·4	52	−4
422	New York	40 43	74 0	96	1004·4	1016·2	+0·3	279·9	292·4	22nd	272·2	264·1	16th	276·1	−1·5	274·5	73	−31
423	St. John, N.B.	45 17	66 4	21·3	..	1012·8	−0·7	274·4	280·8	28th	266·1	256·5	1st	270·3	−1·9	*270·3*	120	+16
424	S. W. Point, Anticosti	49 24	63 35	9	1008·4	1009·6	−1·2	269·8	277·4	..	259·8	245·2	..	264·8	..	..	17	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1012·8	1013·8	..	274·4	280·8	..	268·7	260·8	..	271·6	..	..	149	+23
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1010·7	−1·8	273·8	283·0	28th	265·7	254·1	6th	269·7	−1·3	..	97	−22
435	Madrid	40 24	3 41	655·4	937·1	1014·5	−1·9	287·6	297·8	4th	274·1	268·4	11th	280·9	−1·3	280·2	36	−9
436	Nantes	47 15	W 1 34	41·4	1008·4	1013·5	−2·5	284·2	290·9	29th	276·4	271·0	17th	280·3	−0·5	*280·0*	44	−14
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1006·4	1012·5	−2·5	284·4	293·2	31st	275·4	271·2	6th	279·9	+0·7	279·6	31	−8
438	Marseilles	43 18	5 23	75·0	1002·3	1011·4	−1·4	288·0	294·5	28th	278·7	273·0	9th	283·4	+0·7	*282·9*	51	+2
438*a*	Zürich	47 23	8 33	493·2	954·6	1013·6	−2·6	..	294·6	29th	..	270·4	27th	277·9	+1·1	277·9	54	−20
439	Rome	41 54	12 29	63·4	..	1012·3	−0·9	288·4	298	28th	280·4	274	1st	284·4	+0·9	*284·2*	151	+82
440	Vienna	48 15	16 22	202·5	989·3	1014·2	−0·4	281·7	293·4	30th	274·9	271·3	8th	278·3	+1·5	278·1	51	+4
440*a*	Buda-Pesth	47 30	19 2	129·6	999·9	1015·9	+1·7	283·1	295·1	29th	274·5	268·8	1st	278·8	+1·1	*278·5*	27	−19
441	Bucharest	45 25	26 6	82	1008·3	1018·5	+3·7	282·3	293·6	29th	273·2	269·2	12th	277·8	−0·1	..	16	−26
443	Odessa (University)	46 29	30 46	65·3	1012·0	1020·3	+4·1	275·2	279·7	3rd	271·1	267·6	21st	273·2	−2·0	*273·2*	19	−9
444	Kharkov (University)	50 0	36 14	140	..	1022·3	+5·8	..	276	..	..	256	..	270·4	−0·3	*270·3*	14	−21
444*a*	Novorossiisk	44 40	37 49	37	..	1017·1	+0·7	..	289	..	..	269	..	277·3	−1·5	277·2	23	−47
445	Tiflis	41 43	44 48	409	..	1018·4	+0·6	..	287	..	..	269	..	277·2	−2·5	*277·2*	7	−23
446	Astrakhan	46 21	48 2	−14	..	1023·0	+4·2	..	281	..	..	258	..	270·6	−2·5	*270·5*	1	−9
447	Fort Alexandrovsk	44 31	50 16	24	1017·6	1020·7	+2·1	..	279·3	19th	268·5	262·5	25th	271·4	−3·8	*271·3*	1	−9
448	Krasnovodsk	40 0	52 59	−15	..	1017·6	−1·1	..	287	..	..	273	..	278·1	−3·3	*278·1*	14	−6
449	Tachkent	41 20	69 18	478·3	960·2	1017·5	−1·5	..	292·8	8th	276·4	270·7	25th	280·1	−1·4	*280·1*	47	−19
450	Irgiz	48 37	61 16	112	1007·6	1022·5	..	..	275·2	21st	..	..	..	261·6	−4·3	*261·6*	?	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	281·1	27th	266·7	262·6	28th	271·4	+2·9	*271·4*	9	−8
452	Vernyi	43 16	76 53	? 835	920·4	1020·4	−1·4	..	291·1	22nd	..	..	..	275·4	+1·3	*275·4*	90	+41
461	Mukden	41 48	123 23	43·8	1017·2	1022·9	+1·6	273·6	279·0	28th	264·1	252·1	3rd	268·9	−2·5	..	32	+7
462	Joshin	40 40	129 11	4·0	1019·4	1019·9	+2·3	277·9	283·9	26th	270·3	264·9	31st	274·1	+0·1	..	59	+44
463	Vladivostok	43 7	131 54	15·7	1018·4	1020·4	+1·6	..	278·8	28th	263·6	255·8	11th	268·0	−3·4	*267·9*	33	+25
464																		
465																		
466	Ochiai	47 20	142 44	15·0	1014·8	1016·8	..	272·5	280·7	26th	256·9	241·2	21st	264·7	..	265·3	60	..
	Nemuro	43 20	145 35	26·7	1011·7	1015·1	+1·5	274·4	280·4	28th, 29th	267·9	262·3	24th	271·2	+1·1	271·1	114	+64
		N.	E.															

Between Latitude 40° N. and 30° N.

MARCH—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1011·8	1017·6	−0·3	288·7	299·1	30th	282·1	278·6	1st	285·4	+0·9	*284·9*	116	+37
512	San Luis Obispo	35 18	120 39	61·3	1011·3	1018·6	+0·7	290·6	300·2	28th	282·4	279·1	28th	286·5	+1·4	*286·2*	303	+226
513	Modena	37 48	113 54	1670	834·8	1017·6	+3·0	284·9	295·2	31st	271·4	267·4	26th	278·1	+1·1	277·9	27	−6
514	San Diego	32 43	117 10	26·5	1015·1	1018·3	+1·7	290·7	298·0	14th	284·3	279·7	6th	287·5	+1·0	*287·5*	23	−16
515	Santa Fé	35 41	105 57	2138	788·3	1017·6	+3·7	284·9	292·4	30th	271·8	260·8	1st	278·4	+1·3	278·2	17	−1
516	Denver	39 45	105 0	1613	837·0	1016·2	+2·0	287·6	294·1	20th	273·0	263·0	1st	280·3	+3·6	*280·1*	7	−18
517	Abilene	32 23	99 40	529·7	956·5	1017·9	+3·4	295·9	307·4	10th	282·0	270·8	1st	289·0	+3·3	*288·8*	23	−12
518	Saint Louis	38 38	90 12	172·8	997·0	1017·9	+1·0	287·1	299·7	11th	275·4	266·9	16th	281·3	+1·8	*281·1*	56	−31
519	Mobile	30 41	88 2	17·4	1017·4	1019·3	+1·4	295·4	300·8	10th	285·7	278·6	3rd	290·6	+2·5	*290·3*	103	−79
520	Nashville	36 10	86 47	166·4	999·3	1019·3	+1·7	289·6	301·9	12th	277·3	266·3	16th	283·4	+0·9	*283·1*	56	−82
521	Charleston	32 47	79 56	14·6	1017·6	1019·3	+1·4	291·6	298·6	6th	282·4	276·9	9th	287·0	0·0	*286·7*	32	−62
522	Washington	38 54	77 3	34·1	1013·9	1018·3	+1·0	283·4	296·9	22nd	272·6	263·0	16th	278·0	−0·7	*277·8*	59	−39
523	Bermuda	32 17	64 46	46·0	..	1019·5	+0·8	291·8	294·8	16th	285·6	279·8	25th	288·7	−1·5	..	61	−67
531	Horta	38 32	28 38	30	..	1023·5	+1·7	290·8	293	sev. dates	286·4	281	29th	288·6	+1·1	..	45	−1
532	Ponta Delgada	37 44	25 40	17	..	1023·1	+3·2	289·8	292	4, 11, 15	285·9	283	sev. dates	287·8	+0·8	..	39	−56
533	Madeira (Funchal)	32 37	16 54	25	1018·3	1021·3	+3·5	291·6	294·0	3rd	282·0	280·3	28th	286·8	−0·3	..	32	−40
534	Lisbon	38 43	9 9	95·4	1003·7	1015·3	−1·1	287·4	293·8	4th	282·3	279·2	27th	284·8	−1·0	*284·6*	89	+1
535	Casablanca	33 37	7 35	17	1015·2	1017·3	..	289·3	291·5	..	283·3	278·9	..	286·3	−1·1	*285·6*	78	+13
536	Gibraltar	36 6	5 21	16	1011·2	1013·1	−2·3	290·1	294·1	5th, 31st	..	..	..	285·7	−1·6	*285·6*	135	+31
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MARCH—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a	a		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1008·0	1012·6	−0·8	291·1	297·1	26th	284·0	280·5	8th	287·6	−1·0	*286·9*	71	− 17
538	Palma	39 33	2 42	23	..	1012·8	−1·7	289·2	297	3, 25, 28	281·9	277	16th	285·6	+0·4	..	36	+ 3
538*a*	Tunis	36 48	10 10	43	1009·0	1014·2	−0·5	290·9	300·0	27th	282·0	276·6	5th	286·5	+0·2	..	21	− 34
539	Malta	35 54	14 31	59	..	1014·3	−0·4	289·4	295	27th, 30th	284·6	281	6th, 7th	287·0	+0·2	..	30	− 7
540	Catania	37 30	15 3	64·9	1006·0	1013·9	−0·3	288·7	293·3	30th	281·1	274·4	5th	284·9	−0·4	..	83	+ 30
541	Athens	37 58	23 43	107·1	..	1015·1	+0·8	287·2	293	24th	280·1	277	2nd	283·6	−1·3	*283·5*	46	+ 11
542	Alexandria	31 9	29 54	32·0	..	1015·4	−0·4	293·2	300	17th	285·1	281	6th	289·2	−0·4	*288·6*	12	− 2
543	Cairo (Helwan)	29 52	31 20	115·6	..	1015·4	−0·5	295·7	302	17th, 24th	283·1	279	3rd	289·4	−0·1	289·2	0	− 6
544	Nicosia	35 12	33 24	152	..	1012·8	−2·0	290·2	294	28, 30, 31	276·1	272·4	15th	283·2	−2·0	..	42	+ 2
544*a*	Beirut	33 54	35 28	52·4	..	1013·6	−0·5	290·7	296	31st	283·9	281	23rd	287·3	−1·1	..	163	+ 60
545	Baghdad	33 21	44 28	38·7	1009·5	1014·2	−3·1	292·8	298·8	22nd	281·3	273·8	26th	287·1	−1·6	..	60	+ 20
546	Lenkoran	38 46	48 52	−19	1021·8	1019·5	+1·7	..	283·2	19th	275·2	270·8	24th	277·6	−3·2	*277·6*	154	+ 64
547	Busrah	30 31	47 53	7·6	1012·9	1013·8	−2·9	292·9	297·8	28th	284·8	280·8	17th, 18th	288·9	−2·4	..	46	+ 18
548	Meshed	36 16	59 35	946	903·3	1013·3	..	285·3	294·9	22nd	274·3	268·7	18th	279·8	−1·1	..	60	− 2
549	Quetta	30 11	67 3	1677	831·8	..	−1·7	287·9	294·7	28th	276·6	270·1	19th	282·2	−2·0	*282·4*	72	+ 26
550																		
551	Lahore	31 34	74 20	214	987·8	1012·8	+0·2	297·6	302·7	31st	285·6	280·3	8th	291·7	−2·3	*291·3*	102	+ 85
551*a*	Simla	31 7	77 8	2204·3	779·7	..	−1·3	283·2	289·2	31st	276·9	272·6	14th	280·1	−3·6	*280·3*	231	+ 179
552	Leh	34 10	77 42	3506	663·7	..	−2·0	277·4	285·6	31st	265·9	260·8	22nd	271·7	−1·4	*271·0*	14	+ 9
552*a*	Dehra Dun	30 20	78 0	681	935·3	1012·6	+0·1	295·8	301·9	30th	284·2	280·2	21st	290·1	−2·6	*289·9*	182	+ 159
559	Hang Kow	30 35	114 17	37·0	1015·1	1019·6	−2·6	286·6	298·2	29th	280·3	274·3	16th	283·5	+0·5	..	131	+ 40
560	Tiensin	39 10	117 10	5·0	1022·3	1022·9	+0·2	281·5	290·3	28th	273·1	269·8	10th	277·3	−0·3	..	37	+ 30
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1018·4	1019·2	−2·1	285·8	295·6	29th	277·9	271·5	2nd	281·8	+0·3	281·1	133	+ 40
562	Chemulpo	37 29	126 32	67·6	1011·4	1019·9	−0·6	280·7	289·7	29th	273·2	267·9	3rd	277·0	−0·7	276·5	65	+ 50
562*a*	Nagasaki	32 44	129 52	133·0	1001·1	1017·3	−1·5	287·4	294·2	30th	279·0	275·1	20th	283·2	+0·7	283·0	230	+ 97
563	Kioto	35 1	135 46	49·4	1012·0	1018·1	−0·5	287·6	295·3	13th	274·5	268·9	12th	281·1	+1·7	280·7	113	− 2
564	Tokio	35 41	139 45	21·3	1013·5	1016·1	−0·1	286·0	292·4	31st	276·6	270·4	12th	281·3	+1·3	281·2	118	− 7
565	Miyako	39 38	141 59	30·4	1012·7	1016·4	0·0	282·7	292·7	13th	272·0	267·5	12th	277·4	+1·2	276·3	111	+ 23
566		N.	E.															

MARCH—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1013·6	1014·9	−1·0	297·7	299·7	..	292·0	290·2	..	294·9	−0·3	..	54	− 37
606																		
615	Zacatecas	22 47	102 35	2610	748·3	..	..	290·7	294·8	5th	280·6	276·6	16th	285·7	..	..	0	..
616	Leon	21 7	101 41	1798·6	823·6	..	+1·1	299·8	301·9	4th	284·0	280·2	9th	291·9	+1·0	..	14	− 11
617	Galveston	29 18	94 50	16·5	1017·3	1019·3	+3·0	294·4	297·4	7th	289·4	281·9	2nd	291·9	+2·1	*291·8*	99	+ 25
618	New Orleans	29 58	90 4	15·5	1017·2	1018·9	+1·7	297·2	303·0	12th	287·3	280·8	2nd	292·3	+2·6	*292·0*	148	+ 13
619	Havana	23 8	82 22	24·3	..	1019·1	+1·7	..	302·4	26th	..	288·2	11th	295·9	−0·4	*295·7*	28	− 17
620	Key West	24 33	81 48	6·7	1018·0	1018·6	+1·0	299·1	301·9	27th	293·0	290·2	30th	296·1	+0·4	*295·9*	47	+ 9
621	Nassau, Bahamas	25 5	77 21	7·6	1017·2	1018·1	−0·3	298·3	301·3	24th	292·3	289·9	2nd, 11th	295·3	0·0	..	49	+ 13
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	291·4	292·9	..	285·1	283·1	..	288·2	−1·3	..	44	− 27
634	Las Palmas, Canary Islands	28 7	W15 26	7	1019·2	1020·0	+0·6	294·3	298·6	26th	287·3	283·8	25th	290·8	+0·1	..	11	− 0
637	Insalah	27 17	E 2 27	330	978·8	1017·3	−1·8	300·9	307·8	31st	283·2	278·6	11th	292·1	−0·7	*291·3*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1018·7	+0·4	301·0	307	12th	282·8	276	8th	291·9	−0·3	*293·0*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1015·1	−0·1	303·0	311	13th, 24th	284·8	277	8th	293·8	−1·2	*294·0*	..	..
643	Suez	29 57	32 32	3·4	..	1015·5	+0·4	296·9	301	31st	284·6	281	23rd	290·8	0·0	..	0	− 3
644	Aswan	24 2	32 53	99·6	..	1015·4	0·0	302·0	308	24th	286·8	283	3rd, 8th	294·4	−0·4	*294·4*	..	..
647	Bushire	28 59	50 53	4	1012·7	1013·3	−1·4	293·1	299·6	27th	285·8	282·2	12th	289·4	−2·2	..	102	+ 77
648	Jask	25 44	57 47	4	1011·9	1012·4	−2·0	297·9	300·7	29th	290·8	287·6	20th	294·3	−1·1	..	21	− 8
649	Kurrachee	24 53	66 57	4	1012·5	1013·0	−0·1	299·1	301·9	23rd	292·2	287·4	20th	295·7	−1·2	*295·1*	97	+ 92
650	Hyderabad, Sind	25 24	68 18	29	1008·9	1012·3	−0·2	302·5	308·6	31st	289·8	284·1	20th	296·2	−2·7	..	92	+ 88
651	Jaipur	26 56	75 52	436	963·3	1012·8	−0·2	302·1	308·7	30th, 31st	288·1	283·1	2nd	295·1	−1·9	*294·9*	46	+ 38
652	Nagpur	21 8	79 5	310	977·2	1012·3	+0·3	307·9	312·2	31st	291·6	288·4	5 dates	299·7	−1·6	*299·3*	11	+ 1
653	Allahabad	25 25	81 51	91	1000·8	1011·8	0·0	303·3	310·3	27th	288·7	284·9	23rd	296·0	−2·3	*295·6*	40	− 33
654	Calcutta	22 36	88 23	6	1011·0	1011·9	+0·3	305·5	308·8	2nd	293·5	287·7	24th	299·5	−0·3	*299·0*	50	+ 19
655	Gauhati	26 8	91 41	59	1005·8	1012·8	..	301·7	305·7	21st	288·9	285·3	23rd	295·3	..	..	27	− 44
655*a*	Cherrapunji	25 15	91 42	1313	868·9	..	..	291·5	293·4	5 dates	284·2	277·8	29th	287·9	..	..	13	− 217
656	Shillong	25 33	91 48	1500	849·3	..	..	293·1	296·0	20th	282·4	277·8	23rd	287·7	..	..	31	− 15
656*a*	Akyab	20 11	92 56	6	1011·8	1012·5	−0·3	303·0	305·2	25th	293·3	290·2	15th, 25th	298·1	−0·9	*298·2*	13	0
657	Phu Lien	20 48	106 37	115·6	998·7	1012·3	−1·7	296·3	303·0	10th	291·2	285·1	25th	293·8	+1·0	292·8	41	− 3
658	Moncay	21 31	107 51	10	1011·7	1012·9	−1·6	296·4	302·9	10th	289·8	284·2	18th	293·1	+1·1	*292·4*	92	+ 27
659																		
660	Hong Kong	22 18	114 10	33·2	1010·7	1014·6	−1·4	293·8	299·2	16th	289·6	285·3	18th	291·7	+1·6	291·6	97	+ 24
661	Taihoku, Formosa	25 2	121 31	9·3	1015·3	1016·4	−1·2	295·0	303·8	14th	286·9	280·8	2nd	291·0	+0·5	290·4	119	− 57
662	Naha	26 13	127 41	10·5	1015·4	1016·6	−0·4	295·2	300·7	13th	288·8	280·7	4th	292·0	+0·9	291·9	97	− 50
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

MARCH—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	304·0	..	..	281·0	..	..	..	..	36	..
716	Morelia	19 14	100 7	1933	811·7	..	..	296·7	300·6	31st	282·6	280·5	11th	289·7	..	*289·3*	11	..
717	Salina Cruz	16 12	95 16	56·3	1008·1	1014·6	..	..	307·4	27th	..	294·1	17th	300·2	..	..	0	..
718	Mexico	19 26	99 8	2280	781·5	..	+2·0	295·6	299·1	31st	281·1	278·6	14th	288·4	−0·8	288·3	16	+ 4
718*a*	Oaxaca	17 4	96 44	1563	848·1	..	..	302·3	305·0	31st	284·3	279·8	9th	293·3	..	*293·0*	8	..
719	Belize	17 29	88 12	2·1	..	..	..	300·1	305·2	11th	296·8	293·6	15th	298·4	−1·8	*297·3*	37	− 4
720	San Salvador	13 44	89 9	657	939·2	1012·7	+1·8	306·5	307·6	21st	289·2	286·4	12th	297·9	+0·6	..	0	− 14
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·9	+1·6	302·6	304·9	27th	292·0	289·8	9th	297·3	−0·4	*296·9*	2	− 58
722	Port au Prince	18 34	72 22	37·4	1012·3	1016·6	+3·6	303·9	305·8	..	293·2	291·3	..	298·6	+0·2	298·0	137	+ 78
723	St. Croix (Christiansted)	17 45	64 42	6·6	1014·0	1014·9	..	299·4	302·9	..	294·7	291·5	..	297·1	..	..	15	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·9	1013·8	+0·8	302·6	305·2	9th, 27th	295·2	293·0	11th	298·9	+0·5	*298·4*	24	− 48
725	Barbados	13 8	59 36	55·2	..	1012·0	−0·4	300·9	302·5	..	295·7	290·7	..	298·3	−1·3	*298·0*	41	− 1
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1017·0	1018·3	+4·0	296·0	300·0	30th	291·6	291·0	2, 23, 30	293·8	−1·0	..	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	34	1015·3	1019·3	..	297·2	302·0	2nd	291·7	290·4	11th, 12th	294·5	−0·7	..	0	0
733	Bathurst	13 24	16 36	1·5	1011·4	1011·6	−0·2	300·9	308·0	1st	291·2	289·1	12th, 14th	296·1	−1·2	*296·4*	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	311·9	315·2	26, 29, 30	289·3	286·9	6th	300·6	−2·0	..	0	0
735	Ségou	13 34	6 17	? 272	..	..	..	310·7	315·0	27th	293·5	288·9	11th	302·1	..	..	0	..
736	Timbouctoo	16 43	W 2 52	250	981·5	1009·7	0·0	309·1	316·0	..	290·0	283·0	..	299·6	−1·5	*299·4*	0	..
737	Sokoto	13 2	E 5 14	354	..	..	..	310·1	314·1	28th, 31st	297·1	289·1	1st	303·6	+0·9	..	2	− 4
738	Kontagora	10 24	5 24	400	..	..	..	309·9	311·9	7th, 18th	295·4	289·7	5th	302·7	−0·1	..	24	+ 8
739	Maiduguri	11 48	13 12	370	..	..	..	312·2	316·3	21, 26, 31	293·8	287·4	1st	303·0	+0·8	..	0	0
740	Katagum	12 17	10 22	329	..	..	..	313·0	316·9	26th	293·5	285·8	1st	303·3	+1·9	..	0	0
742																		
743	El Obeid	13 11	30 14	585	..	1012·4	−0·1	308·4	313·0	14th	288·4	283·5	23rd	298·4	+0·8	*299·3*	0	− 4
744	Khartoum	15 37	32 33	390	..	1011·2	+0·9	307·3	313·3	25th	291·1	285·9	8th	299·2	−0·3	*299·7*	0	0
746	Aden	12 45	45 3	28·7	1009·1	1012·4	−0·9	301·6	304·4	15th	297·8	295·2	3rd	299·7	+0·2	*299·0*	9	− 13
751	Bombay	18 54	72 49	11·3	1011·7	1013·0	+0·2	302·9	305·2	16th	295·7	293·8	20th	299·3	−0·1	*298·4*	0	− 1
752	Mysore	12 18	76 40	768	928·1	1011·9	+0·3	306·6	308·3	30th	292·4	289·4	1st	299·5	−0·4	299·6	34	+ 28
752*a*	Kodaikanal	10 13	77 28	2343	771·9	..	−0·6	294·1	296·1	13th, 25th	283·4	280·8	2nd	288·8	+0·3	287·6	4	− 45
753	Madras	13 4	80 14	6·7	1011·6	1012·4	−0·3	305·1	307·7	9th	295·7	291·1	1st	300·4	+0·1	300·4	0	− 5
754	Waltair	17 45	83 16	68·9	1004·7	1012·5	0·0	302·9	304·7	1st	296·6	293·5	1st, 2nd	299·8	..	*298·9*	0	− 8
755	Port Blair	11 40	92 40	17·7	1010·3	1012·3	0·0	304·8	306·2	29th	296·9	295·5	6th	300·8	−0·9	*299·9*	0	− 10
756	Rangoon	16 46	95 48	5·5	1011·5	1012·1	−0·3	307·4	310·0	24th	294·6	292·4	1st	301·0	−0·8	*299·5*	0	− 5
757	Saigon	10 46	106 42	11·2	1010·0	1011·3	+0·9	308·7	311·0	17th, 30th	295·0	292·8	1st	301·9	−0·1	..	0	− 4
758	Nhatrang	12 16	109 12	6·8	1011·2	1012·0	0·0	304·1	305·9	22nd	294·2	290·2	4th	299·2	−0·1	..	54	+ 33
759	Bolinao	16 24	119 53	7·5	..	1011·0	−0·9	305·7	308·9	12th	295·1	292·9	3rd, 10th	300·4	..	..	57	+ 44
760	Vigan	17 34	120 23	14·7	..	1011·1	−0·5	305·0	306·6	26th, 30th	294·7	289·0	2nd	299·9	−0·5	299·4	4	− 2
761	Manila	14 35	120 59	14·2	..	1011·6	−0·1	305·0	307·7	16th	293·0	289·2	9th, 10th	299·0	−1·1	298·5	10	− 9
762	Ormoc	11 0	124 36	5·6	..	1010·4	−0·3	303·4	306·0	19th	293·5	289·2	6th	298·5	−0·5	298·1	77	− 2
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	301·6	303·0	28th	297·2	295·8	5th	299·4	..	..	168	..
		N.	E.															

Between Latitude 10° N. and 0°.

MARCH—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	?1010·5	?1010·9	−0·6	302·2	303·3	21st	297·8	295·8	29th	300·0	−0·3	*299·3*	71	−242
819	Culebra	9 10	79 40	123·1	..	1013·1	+1·3	304·1	305·8	31st	293·0	291·3	27th	298·6	−0·8	..	2	− 16
823	El Peru, Guayanavieja	7 30	62 0	? 300	985·6	..	..	303·7	305·3	18th	292·4	289·7	1st	298·1	..	..	73	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1013·2	1013·4	+0·9	302·4	303·6	18th	296·7	295·2	15th	299·5	+0·1	..	357	+169
826	Paramaribo	5 49	55 9	4	1012·5	1013·0	..	302·0	303·5	2nd	295·3	293·3	6th	298·7	..	298·0	339	+135
826*a*	Cayenne	4 56	52 21	6	..	..	..	302·4	303·8	20th, 21st	296·1	293·8	14th	299·3	−0·3	..	508	+ 97
833	Conakry	9 31	13 43	16	1008·8	1010·6	+0·3	305·4	307·7	..	296·2	294·2	..	300·8	−0·6	..	1	− 1
834	Sierra Leone	8 30	13 9	68·3	1002·0	1009·9	−0·6	306·3	308·2	15th	296·4	295·0	16th	301·4	+0·1	..	1	− 27
835	Cape Coast Castle	5 5	1 13	..	..	..	..	302·9	304·1	22, 27, 30	295·5	294·7	10, 16, 29	299·2	−1·1	..	70	+ 13
836	Accra	5 35	W 0 6	18	..	..	..	303·8	305·2	19, 20, 24	296·2	291·3	6th	300·0	−0·6	..	130	+ 87
837	Lagos	6 22	E 3 28	7·6	1009·3	1010·2	+0·8	304·1	306·3	..	297·0	294·1	..	300·6	−0·7	..	286	+194
838*a*	Libreville	9 48	6 10	130	995·0	1016·0	+0·3	309·2	311·9	3rd, 6th	297·2	294·1	6th	303·2	−0·2	..	28	+ 17
839	Yola	0 23	9 26	35	..	..	..	304·0	305·2	30th	296·6	294·5	29th	300·3	+0·3	..	207	−141
841	Kafia Kingi	9 12	12 30	259	..	..	..	310·7	313·6	26th	297·8	292·4	8th	304·2	−0·1	..	5	− 3
842	Wau	9 22	24 18	596	944·3	1009·7	..	..	..	..	..	..	..	299·7	..	..	18	..
843	Entebbe	7 42	28 3	440	..	1008·8	..	310·4	313	25th	292·5	287	1st, 26th	301·4	..	..	4	− 16
844	Nandi	0 5	32 29	1177	882·3	..	+0·4	299·2	302·4	4th, 11th	290·6	288·6	11th	294·9	0·0	*293·4*	152	+ 3
845		0 2	35 5	2010	..	..	..	300·7	305·2	6th	284·3	283·0	20th	292·5	+1·0	..	140	+ 5
851	Cothin	10 0	76 21	2·7	1011·8	1012·2	+0·1	305·8	306·7	29th	298·0	295·6	3rd	301·9	−0·1	*301·0*	17	− 38
852	Colombo Observatory	6 54	79 53	7·3	1009·3	1010·1	+0·6	306·2	308·0	13th	295·9	294·7	18th	301·1	+0·2	*300·2*	8	− 49
853	Candy	7 18	80 40	504·5	..	..	..	304·2	305·8	23rd	293·2	290·3	25th	298·7	+0·4	..	165	+ 77
856	Medan	3 35	98 41	23·5	..	1010·6	−0·1	305·8	307·5	8th	293·8	291·5	2nd	299·8	..	..	0	− 91
857	Penang	5 34	100 20	5·0	1007·8	1008·4	−1·8	306·2	307·4	6th	296·6	294·1	16th	301·4	0·0	..	92	− 26
858	Singapore	1 17	103 51	3·0	1010·0	1010·3	+0·9	305·3	306·6	19th	295·5	294·1	15th	300·4	+0·6	..	29	−146
860	Sandakan	5 49	118 12	..	..	..	..	305·0	305·8	14, 17, 23	297·1	296·3	1, 4, 30	301·1	+1·1	..	112	−117
861	Tagbilaran	9 38	123 51	21·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
863	Surigao	9 48	125 29	6	..	1010·3	−0·3	302·6	304·4	17th	295·2	292·1	6th	298·9	−0·2	298·7	430	+164
869	Yap	9 29	138 8	31·9	..	..	..	?303·1	..	..	?297·4	..	..	?300·3	..	..	335	..
	Uyeiang	9 42	161 2	<10	1009·0	1010·1	−1·0	..	..	..	..	..	..	..	..	..	180	+102
		N.	E.															
		° ,	° ,	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

MARCH—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1009·8	1010·7	+1·9	304·4	306·3	2nd, 5th	296·7	295·2	19, 21, 28	300·6	−0·7	..	126	+48
906																		
923	Manaos	3 8	59 59	32·4	1005·0	1008·7	+0·8	..	..	..	..	..	..	299·9	−0·8	..	211	−62
930	Fernando Noronha	3 51	W32 25	95	..	1012·2	+1·5	300·2	301·3	..	297·0	295·1	..	298·6	..	..	164	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	306·6	310·0	19th	294·3	293·3	16th, 21st	300·5	−0·1	..	361	+42
940	Loango	4 38	11 50	? 50	..	..	..	302·9	305·5	19th	296·3	294·5	12th	299·6	..	..	142	..
943	Daressalam	6 49	39 18	7·6	1009·1	1009·9	−1·2	303·3	305·2	28th	296·5	294·6	10th	299·9	−0·3	300·0	66	−114
944	Nairobi	1 18	36 59	1660	..	..	..	299·5	302·4	5th	284·0	277·4	28th	291·8	−0·1	..	120	+19
944a	Zanzibar	6 10	39 11	21·9	1010·0	1012·5	−0·2	303·7	306·2	3rd	300·0	298·1	9th	301·9	+0·6	*300·8*	252	+110
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	303·7	304·7	17th	297·1	296·3	30th	300·4	..	..	0	−14
947	Seychelles	4 37	55 27	4·6	1010·6	1011·1	+0·5	301·8	302·6	..	298·4	295·6	..	300·1	+0·5	..	128	−70
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·4	−0·8	..	..	..	..	..	..	..	..	..	237	−52
957	Batavia	6 11	106 50	8	..	1010·2	+0·3	303·5	304·9	16th	296·5	295·2	19th	300·0	+0·6	299·5	112	−80
958	Pontianak	0 1	109 20	2·6	..	1009·5	0·0	..	..	..	..	..	..	..	..	..	48	−190
959	Passeroean	7 38	112 55	5·0	..	1010·2	+0·8	304·8	306·0	..	296·3	295·5	..	300·6	..	..	37	−165
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	287	−151
961	Koepang	10 10	123 34	3·3	..	1009·1	+0·8	..	..	..	..	..	..	..	..	..	99	−122
962	Ambon	3 42	128 10	4·2	..	1009·0	+0·5	..	..	..	..	..	..	..	..	..	63	−75
965	Daru	9 4	143 13	8	1007·5	1008·4	−1·8	304·3	..	..	296·8	..	..	300·6	+0·4	..	306	−32
966	Port Moresby	9 29	147 9	39	1004·9	1009·3	+0·2	304·0	..	..	297·6	..	..	300·8	0·0	..	101	−76
967	Rakuranga	4 13	152 8	*ca.*120	..	..	..	..	..	..	..	..	..	..	..	..	293	..
968	Rendova	8 24	157 19	..	..	..	..	303·6	305·0	..	295·0	294·0	..	299·3	..	..	598	−21
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1006·6	1006·8	−0·3	..	..	..	..	..	..	..	..	..	320	−98
970	Ocean Island	0 52	169 36	48·5	1002·6	1008·1	0·0	305·1	307·4	22nd	297·4	296·3	18, 20, 23	301·2	+1·1	..	667	+458
		S.	E.					304·4	305·5	3rd	298·3	297·4	10, 19, 21	301·3	+0·4	..		

MARCH—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1008·3	1012·5	+0·5	303·9	307·4	14th	295·8	294·1	26th	299·8	−0·2	..	249	−73
1004																		
1007	Tahiti (Makatea)	15 47	148 14	39	1006·5	1011·9	+1·1	304·5	306·0	..	297·1	293·8	..	300·8	..	..	84	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	303·5	305·0	3, 4, 8	288·6	288·0	6th, 7th	296·1	+2·4	*293·7*	0	..
1022	Arequipa	16 22	71 33	2451	761·5	..	+0·8	291·4	294·1	20th	281·4	276·3	7th	286·4	−0·9	..	0	−14
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	287·5	−2·6	..	120	+21
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	297·5	−0·2	..	264	+11
1026	Cuyaba	15 36	56 0	235	990·4	1017·3	0·0	301·9	303·9	..	297·1	296·4	..	299·5	−0·5	..	249	+42
1035	St. Helena	15 57	W 5 40	632	945·2	1017·6	+0·1	295·6	299·1	30th	288·4	287·5	12th, 13th	292·0	+0·1	*291·7*	59	−68
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	858·6	..	−0·4	298·0	303·4	..	285·9	278·6	..	291·9	−0·8	..	50	−17
1043	Salisbury, Rhodesia	17 49	31 3	1487	857·0	..	+1·6	297·8	301·9	..	286·1	280·8	..	291·9	−1·0	..	152	+30
1044	Zomba	15 23	35 18	899	905·9	1005·8	+1·8	298·0	301·3	9th	290·0	286·3	27th	294·0	−0·4	*293·6*	156	+89
1045	Tamatave	18 9	49 26	4	1011·4	1011·8	0·0	..	..	..	296·3	295·0	..	299·4	−0·5	..	544	+52
1046	Tananarivo	18 55	47 32	1400	863·3	..	+0·2	298·4	300·8	23rd	288·5	286·4	6th	293·5	−0·2	292·3	254	..
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1012·8	+2·0	303·8	305·2	1st	298·4	296·3	24th	301·1	+0·4	..	225	+15
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1007·7	1008·3	+0·7	305·4	307·0	..	297·2	295·6	..	301·3	+0·7	..	98	−154
1058																		
1061	Derby	17 18	123 40	16·2	..	1009·1	+0·9	309·1	313·4	19th	299·3	295·2	26th	304·2	+1·1	..	19	−85
1062	Hall's Creek	18 13	127 46	373·4	..	1008·3	−0·4	311·0	314·9	18th	293·8	286·9	23rd	302·4	+1·7	..	0	−227
1063	Port Darwin	12 28	130 51	29·6	..	1007·8	+0·4	307·4	309·0	15th	299·2	296·3	14th	303·3	+1·3	*302·2*	21	−59
1064	Daly Waters	16 16	133 23	213	..	1006·7	..	310·1	314·1	14th	294·8	289·1	17th	302·4	+0·6	*302·0*	73	−94
1065	Mein	13 13	142 57	121·9	..	1005·7	..	304·4	306·9	2, 15, 17	296·1	294·6	19th	300·3	..	..	317	−94
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1007·2	..	306·3	310·1	15th	294·5	290·9	13th	300·4	..	..	26	..
1067	Samarai	10 37	150 40	6·4	1007·3	1008·0	+0·1	303·0	..	..	297·3	..	..	300·2	−0·2	..	171	−46
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	305·6	308·6	13th	293·4	291·1	10th	299·5	..	..	262	..
1071																		
1072	Suva, Fiji	18 8	178 26	14·8	..	1010·1	+0·4	302·8	308·0	8th	295·8	293·6	14th	299·3	−0·4	..	486	+112
		S.	E.															

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

MARCH—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	301·2	302·2	11th, 12th	296·3	294·1	18th	298·7	..	..	329	+151
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1012·4	1015·4	+0·8	291·9	296·0	2nd	285·6	282·8	4th, 5th	288·8	−1·0	*288·4*	0	−2
1122	Puerto de Antofagasta	23 39	70 25	10	..	..	..	298·9	299·3	12th	287·5	287·0	30th	293·2	−1·1	..	0	0
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	..	298·3	+1·5	*297·1*	23	−91
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	0	−64
1127	Curityba	25 26	49 16	908	914·9	1017·8	+2·3	296·4	302·1	..	286·1	280·5	..	291·3	−2·0	*290·7*	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1006·0	1013·5	+0·3	..	..	..	..	..	..	296·8	−1·8	..	442	+305
1139	Windhuk	22 34	E17 5	1665·3	833·8	..	..	300·4	303·0	2nd	287·8	284·0	10th	294·1	−0·3	294·0	42	−35
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	294·4	300·2	2nd	285·0	279·3	24th	289·7	−0·2	*289·2*	66	−41
1142	Kimberley	28 43	28 46	?1232	883·1	..	+1·0	300·1	..	..	287·3	..	..	293·7	−0·5	293·1	..	..
1142a	Pretoria	25 45	28 11	1338	..	..	..	299·1	304·1	7th	285·8	280·4	25th	292·4	−0·4	..	58	−46
1143	Durban	29 51	31 0	79·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1144	Lorenzo Marques	25 58	32 36	59	..	1015·7	+0·9	302·3	306·0	1st	292·9	289·0	28th	297·6	−0·5	297·0	30	−33
1147	Mauritius	20 6	57 33	54·3	1003·5	1009·9	−2·1	300·8	302·6	16th	295·2	291·4	24th	298·0	−0·7	297·6	308	+72
1148																		
1159	Onslow	21 43	114 57	4·3	..	1008·8	+0·4	310·4	315·5	10th	294·6	289·9	28th	302·5	+0·3	..	0	−22
1160	Peak Hill	25 38	118 47	588·3	..	1009·2	−0·3	308·5	313·3	11th	293·9	287·4	19th	301·2	+0·5	..	0	−35
1161	Nullagine	21 53	120 5	385·6	..	1008·5	−0·3	312·2	315·7	12th	294·7	286·7	23rd	303·4	+1·4	..	0	−57
1162	Laverton	28 40	122 23	466·3	..	1005·2	−8·7	304·1	312·4	9th	290·1	281·9	19th	297·1	−0·1	..	0	−28
1163	Alice Springs	23 38	133 37	587·0	..	1011·0	+0·1	305·0	312·6	18th	288·4	283·6	24th	296·7	−1·3	*297·6*	1	−32
1164	William Creek	28 55	136 21	76·2	..	1014·6	..	303·9	313·8	5th	288·3	283·6	20th, 23rd	296·1	..	*296·0*	0	−20
1165	Boulia	22 55	139 38	145·7	..	1008·2	..	308·8	312·7	13th	293·8	287·5	21st	301·3	..	..	4	−39
1166	Mitchell	26 32	147 52	337·1	..	1011·8	..	302·8	307·4	17th	287·5	279·7	15th, 31st	295·2	..	..	32	−62
1167	Rockhampton	23 24	150 30	11·3	..	1011·5	..	303·2	308·6	14th	294·0	292·4	6, 10, 12	298·6	..	..	162	+23
1168	Brisbane	27 28	153 2	41·7	..	1014·2	−0·1	301·3	307·3	14th	291·8	288·9	31st	296·6	+0·1	..	119	−37
1169	Noumea	22 16	166 27	9	1008·8	1009·8	..	302·4	304·8	14th	295·9	294·0	22nd	299·2	+0·7	..	166	+26
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	43	−56
		S.	E.															

Between Latitude 30° S. and 40° S.

MARCH—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1022·6	1023·8	+5·2	293·5	297·0	27th	..	..	..	290·9	−1·5	..	42	−14
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1011·6	1016·4	+2·4	291·9	294·8	31st	285·0	282·5	14th	288·5	−2·9	*287·6*	0	−14
1222	Santiago	33 27	70 42	520	955·5	1015·7	+1·9	299·1	302·6	21st	281·1	278·6	14th	290·1	−1·8	288·6	0	−5
1223	Cordoba	31 25	64 12	439	966·5	1017·2	+3·5	..	..	..	..	..	..	293·7	−1·3	..	48	−42
1224	Buenos Ayres	34 16	64 11	25·2	1014·7	1017·7	+3·8	..	..	..	..	..	..	292·2	−1·8	..	2	−115
1225																		
1226	Montevideo	34 52	W56 12	29·3	1015·5	1018·9	+4·0	296·9	305·6	11th	284·9	279·0	22nd	290·9	−2·6	291·5	6	−55
1239	Cape Town	33 56	E18 29	9	..	1014·9	+0·4	299·8	309·1	4th	288·1	283·2	21st	293·9	+0·8	*292·6*	7	−18
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	6	..
1241	Heidelberg	34 5	20 58	1541	850·8	..	+0·9	297·6	302·6	..	284·4	278·6	..	291·0	−0·4	..	39	−13
1242	East London	33 2	27 55	10·1	1014·9	1016·1	+1·3	296·2	301·3	20th	289·8	285·2	24th	293·0	−0·3	..	94	+36
1259	Perth (Observatory)	31 57	115 51	60·0	..	1016·4	+0·8	299·6	309·0	8th	288·6	281·3	18th	294·1	−0·7	..	4	−16
1260	Katanning	33 42	117 35	309·7	..	1015·9	−0·1	298·2	307·5	30th	284·8	278·2	18th	291·6	−0·4	..	28	+4
1261	Coolgardie	30 57	121 10	423·3	..	1016·0	−1·0	301·1	310·8	9th	287·2	278·7	18th	294·1	−0·8	..	9	−7
1262	Eucla	31 45	128 58	4·6	..	1016·8	+0·1	299·3	312·6	10th	288·1	282·4	28th	293·7	0·0	..	2	−21
1263	Streaky Bay	32 48	134 13	13·1	..	1017·6	+0·6	298·9	309·9	4th	286·6	281·9	15th, 22nd	292·8	−0·1	..	14	−2
1264	Adelaide	34 56	138 35	42·7	..	1017·6	+0·4	298·5	310·8	5th	287·4	282·9	16th, 31st	292·9	−1·1	*292·4*	22	−7
1265																		
1266	Melbourne	37 49	144 57	35·1	..	1016·1	−1·1	295·3	304·3	5th	286·7	282·5	20th	291·0	−0·2	*290·6*	191	+137
1267	Bourke	30 13	145 58	110·1	..	1015·3	−0·3	303·6	312·4	18th	288·8	282·7	30th	296·2	−2·1	..	2	−38
1268	Sydney	33 51	151 13	44·5	..	1015·8	−0·8	297·1	302·4	27th	289·4	286·3	21st	293·3	−0·4	..	49	−81
1271	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	176	+18
1272	Auckland	36 50	174 50	38·1	..	..	..	295·4	297·7	3rd	288·7	286·1	26th	292·1	+0·8	..	59	−9
		S.	E.															

Between Latitude 40° S. and 50° S.

MARCH—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	58	..	..	..	289·7	292·4	twice	284·9	280·8	25th	287·3	+0·9	..	41	−27
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	282·0	279·2	28th	284·8	−1·5	*284·2*	14	−140
1323	Punta Galera	40 1	73 44	40	1014·2	1019·1	+3·4	286·9	290·8	1st	281·3	278·6	15th	284·1	−1·9	*283·7*	23	−94
1324	Bahia Blanca	38 45	W62 12	20	1014·1	1016·4	+6·0	..	..	..	..	..	..	294·0	+0·3	..	44	−26
1365	Hobart	42 53	E147 22	48·8	..	1015·0	+0·8	292·7	299·7	11th	284·9	279·8	20th	288·8	+0·6	*287·8*	138	+97
1366	Launceston	41 27	147 10	9·4	..	1014·9	..	294·3	299·4	5th	284·2	278·8	22nd	289·3	+0·4	..	157	+115
1369																		
1370	Dunedin	45 52	170 31	90	..	1016·7	+2·5	293·4	300·8	22nd, 23rd	283·2	278·0	11th	288·3	+2·4	..	29	−55
1371	Christchurch	43 32	172 38	7·6	..	1018·1	+2·0	293·8	302·9	21st	283·4	275·4	11th	288·6	+0·9	..	4	−51
1372	Wellington	41 16	174 46	33·5	..	1020·0	+3·5	292·8	295·9	18th	287·3	281·9	11th	290·1	−1·3	..	9	−79
		S.	E.															

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

MARCH—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1002·3	1009·0	+12·0	287·5	288·6	various	278·2	274·6	27th	282·9	+1·5	*281·3*	320	+12
1422	Puerto de Punta Arenas	53 10	70 54	4	1005·6	1006·1	+10·3	286·4	293·3	3rd	279·4	275·5	10th	282·9	+0·8	282·7	56	+14
1423	Punta Dungeness	52 24	68 25	5	1004·8	1005·4	+ 5·6	287·7	293·8	4th	279·5	273·6	17th	283·6	+1·0	*283·2*	7	−18
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1003·6	+ 1·8	284·5	289·1	3rd, 4th	277·9	274·1	20th	281·2	−0·5	281·2	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1430		S.	W.															

MARCH—ZONE 15. Between Latitude 60° S. and 70° S.

		S.	W.															
1527	South Orkneys	60 44	44 39	6·9	988·2	989·1	− 1·7	274·2	281·5	..	269·8	262·3	..	272·0	−0·5	272·3	84	+29
1528																		

MARCH—ZONE 16. Between Latitude 70° S. and 80° S.

		S.	W.															
1605	Framheim	78 38	163 37	11·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1669		S.	E.															
1670	Cape Evans(McMurdo Sound)	77 38	166 24	18	..	989·1	− 3·6	..	268·1	..	..	250·7	..	..	+1·5	259·2	..	..
1671	Cape Adare	71 18	170 9	..	..	986·2	..	..	270·8	..	..	260·8	..	..	..	266·2	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MARCH 1911.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m.
			9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	
		m/s.											m/s.
1	SSE	9·3	E 4	E 4	N 2	W 4	NE 3	E 2	Calm 0	SW 3	W 4	Calm	0·7
2	SE	6·3	E 5	E 4	N 2	W 5	NE 3	E 3	NW 2	W 2	W 3	Calm	1·0
3	SE	5·2	E 4	E 5	Calm 0	W 5	NE 5	E 2	Calm 0	W 5	W 3	SW	1·0
4	SE	6·1	E 5	E 5	W 3	W 3	NE 5	E 3	Calm 0	SW 3	W 2	Calm	0·8
5	SE	6·2	E 5	E 4	W 2	W 3	NE 3	E 2	NW 2	W 3	W 4	Calm	1·2
6	SE	7·2	E 4	E 4	W 5	W 3	NE 2	NE 2	NW 2	W 2	W 4	SW	2·5
7	SE	7·5	NE 5	NE 5	W 2	W 2	NE 2	E 2	W 3	W 4	W 2	NW	4·9
8	SE	9·1	NE 4	NE 4	Calm 0	W 3	NE 2	E 2	Calm 0	SW 3	SW 3	NW	1·9
9	SE	9·0	SE 4	SE 4	Calm 0	W 3	E 3	E 1	NW 2	SW 4	SW 3	N	1·3
10	SE	6·9	SE 4	SE 4	Calm 0	Calm 0	E 4	E 3	Calm 0	SW 4	SW 4	Calm	1·8
11	SE	4·8	E 4	E 4	Calm 0	W 3	NE 5	E 2	NW 2	SW 3	W 7	Calm	0·3
12	SE	3·4	SE 4	SE 4	Calm 0	W 3	NE 4	E 3	NW 3	SW 4	W 4	SE	..
13	SE	4·9	SE 4	E 4	Calm 0	Calm 0	E 4	E 2	Calm 0	SE 5	W 5	Calm	..
14	SE	6·0	SE 4	E 4	Calm 0	W 3	E 4	E 2	NW 2	SE 4	SE 3	NE	3·2
15	SE	5·7	SE 4	SE 4	Calm 0	W 3	NE 3	NE 1	NW 3	SE 2	SE 4	N	7·4
16	ESE	4·9	SE 4	SE 4	W 3	SW 2	NE 3	E 1	Calm 0	SE 2	SE 2	NE	2·5
17	SE	5·0	SE 5	SE 4	NE 3	NW 3	NE 3	E 2	NW 3	E 2	SE 4	NE	1·3
18	SE	5·2	SE 4	E 4	Calm 0	W 3	NE 3	E 2	NW 2	SE 4	SW 6	NE	2·3
19	SE	4·9	NE 4	SE 4	Calm 0	W 3	SE 5	E 2	W 3	SW 10	W 4	Calm	1·9
20	SE	5·7	E 4	NE 2	Calm 0	W 5	NE 3	E 2	Calm 0	W 5	W 2	Calm	2·8
21	SE	6·7	E 3	E 2	N 3	W 5	E 3	E 1	NW 5	W 5	E 4	N	8·1
22	SSE	6·0	NE 4	SE 3	Calm 0	W 5	E 3	E 1	NW 2	W 4	E 3	N	4·4
23	SE	6·7	SE 3	SE 3	Calm 0	W 3	E 4	E 2	E 4	W 3	E 1	NW	4·7
24	SE	5·8	E 4	SE 4	SW 3	SW 3	E 4	E 1	E 3	SW 2	E 2	Calm	8·4
25	SE	5·2	E 4	E 4	NE 3	SW 5	NE 4	E 2	E 5	SW 4	E 5	E	4·7
26	SE	5·9	SE 4	SE 4	Calm 0	W 5	NE 3	E 1	E 6	SW 4	W 4	SE	1·9
27	SE	..	SE 4	SE 4	W 3	SW 3	NE 2	E 2	NW 3	SE 3	E 3	Calm	1·8
28	SE	7·5	SE 4	Calm 0	Calm 0	NW 3	NE 2	NE 2	Calm 0	SE 5	E 2	NE	5·6
29	SE	5·1	SE 4	SE 4	Calm 0	SW 3	N 2	NE 2	NW 2	SW 4	E 2	Calm	2·7
30	SE	2·8	SE 4	SE 4	Calm 0	W 3	NE 3	NE 2	NW 3	W 4	W 2	Calm	9·3
31	NNE	2·5	SE 4	SE 5	Calm 0	Calm 0	NE 4	NE 2	NW 2	W 3	E 2	NE	6·5
Mean for Month	..	5·9	4·1	3·8	1·1	3·2	3·3	1·9	2·1	3·7	3·3	..	3·3
Deviation from Normal	..	−0·7	..	..	..	..	−0·2		..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MARCH 1911.

**The Seas round Novaja Zemlja and Spitsbergen. The Barents Sea.*—"In the middle of March the edge of the ice was about Cape Sviatoj, from which point it followed long. 40° N. to lat. 70°, where it again trended E. At Bear I. the sea was ice-free."

**The Greenland Sea, Iceland, and the Denmark Strait. Iceland.*—"In the beginning of March scattered ice lay off the W. coast, and from the 13th along the N. coast; on the 16th the ice grew impenetrable off Skagen."

"During the first half of March a mass of polar ice drifting southward was observed 25 miles N. of Langenæs; on the 17th it was off Langenæs, and on the 25th about 20 miles E. of Seydisfiord. On March 30–31 heavy polar ice was again observed about 8 miles off Langenæs, while Cape North was ice-free."

"Off Angmagsalik the 'Storis' lay firm during the whole month."

The North Atlantic and Labrador.—"On the Newfoundland Banks was much pack, and also numerous icebergs as early as the 1st, their limits being 41° 8′ N. and 43° 0′ W. Some pieces of ice were observed in 40° 6′ N. and 69° 24′ W. On the 26th eight large bergs, one 500 feet high by estimation, and several small bergs were passed in 44½° N., 48° W."

"In St. Lawrence Bay were many icebergs and pack, in which the steamers were still beset. Ice prevented navigation at the Magdalene Islands and Charlottetown, and on the St. Lawrence River there was still firm ice. There was heavy packed ice at Point Amour and Belle Isle, and heavy open ice distant at Cape Ray. In Belle Isle Strait were many icebergs and dense pack."

**Davis Strait.*—"At Cape Farewell the sea was open from 7th to 23rd; afterwards the ice lay close inshore. Between Nanortalik and Julianehaab the ice disappeared very early in the month. On 15th the 'Storis' arrived at Arsuk, and entered the fiord, but after some days it was driven N. by a S.W. gale, and from the 21st the sea around Arsuk was ice-free except for a little 'Storis' at the end of the month. The ice drifted up to Frederikshaab, where it lay close inshore from the 18th. On the 20th it reached Fiskernoes, where it prevented all navigation. N. of Fiskernoes the sea was ice-free. The ice in Disko Bay broke up and drifted about. Round Godhaven the ice again froze together and remained stationary all through the spring. The west ice continued lying close inshore."

**Baffin Bay and Northward.*—"In Melville Bay there was firm ice. In Kanes Basin there were many screwings in the ice."

* *Isforholdene i de arktiske Have, 1911*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, APRIL 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF APRIL 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. APRIL—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1015·1	1016·0	..	..	..	..	..	..	..	259·9	..	*259·6*	2	..
124																		
125	Upernivik	72 47	W56 7	18·9	1014·7	1017·2	+ 1·6	266·2	276·7	3rd	256·5	245·5	1st	261·4	+2·7	*261·4*	2	−12
126																		
139	Spitsbergen	78 2	E 14 14	11·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1002·2	1002·9	− 7·9	..	277·8	22nd	268·0	262·6	3rd	..	−1·7	*270·4*	49	−12
142	Mehavn	71 1	27 47	6·4	1002·4	1002·9	..	..	277·1	17th	268·3	262·0	28th	..	..	*271·1*	90	+48
143	Vardö	70 22	31 8	10·0	1001·9	1002·7	− 8·8	..	276·2	22nd	268·0	262·4	3rd	..	−0·5	*270·7*	75	+33
144																		
		N.	E.															

Between Latitude 70° N. and 60° N. APRIL—ZONE 2.

		N.	W.															
209	Dawson	64 4	139 20	321	973·3	1019·4	+ 4·5	276·7	288·0	30th	260·2	241·3	30th	268·4	−2·5	..	33	..
210	Carcross	60 11	134 34	662	..	..	..	273·5	280·8	30th	263·3	246·3	3rd	268·4	..	..	9	..
211																		
212	Fort Simpson	61 52	120 43	129	999·7	1016·3	..	276·7	288·1	..	262·2	240·2	..	269·5	..	*270·4*	34	..
213																		
214	Hay River	60 51	115 20	161	996·0	1016·6	..	272·9	289·7	22nd	260·4	243·6	13th	266·7	..	..	13	..
225																		
226	Jacobshavn	69 13	51 2	12·6	1012·0	1013·6	+ 0·2	270·9	278·4	3rd	262·2	248·2	1st	266·6	+3·4	*266·5*	8	0
229	Godthaab	64 11	51 44	9	1007·8	1009·0	− 0·4	276·9	286·2	28th	266·8	262·4	19th	271·9	+2·6	*269·9*	17	−16
230	Angmagsalik	65 37	37 34	31·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
231																		
232	Stykkisholm	66 5	22 46	11·3	1011·6	1013·1	+ 2·0	276·2	282·5	5th	271·4	263·1	16th	273·8	−0·1	*274·0*	33	+ 3
233	Vestmanno	63 26	20 15	7·7	1011·4	1012·3	+ 1·7	279·7	282·7	23rd	274·0	265·2	18th	276·9	−0·5	*276·7*	57	−31
234	Grimsey (Akureyri)	66 33	17 58	6·8	1014·0	1014·9	+ 2·1	273·3	279·4	5th	268·1	258·4	15th	270·7	−1·0	*270·6*	2	−15
235	Berufjord	64 40	14 19	18	1010·4	1012·7	+ 0·1	277·6	284·4	11th	270·7	262·0	17th	274·2	−0·2	*274·1*	24	−55
236	Thorshavn	62 3	W6 45	25·7	1009·5	1012·6	+ 0·2	279·6	282·9	27th	274·4	265·4	17th	277·0	−1·3	..	83	− 5
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1005·1	1010·4	− 2·3	..	290·2	19th	275·4	267·4	5th	..	−0·5	*278·1*	177	+85
239	Christiansund	63 7	7 45	17·8	1007·4	1008·6	− 3·9	..	289·8	20th	274·8	267·0	5th	..	−0·2	*277·2*	129	+74
240	Trondhjem	63 26	10 25	39·5	1004·7	1009·0	− 3·8	..	289·8	20th	273·1	261·1	5th	..	+0·1	*276·4*	40	−17
241	Bodö	67 17	14 24	20·5	1003·6	1005·9	− 6·0	..	283·4	21st	271·6	263·0	4th	..	−0·3	*274·4*	60	+13
242	Haparanda	65 50	24 9	9·2	1004·6	1005·8	− 7·7	275·7	281·0	19th	266·0	254·5	4th	270·9	−0·2	*271·5*	35	+11
242a	Helsingfors	60 10	24 57	11·7	..	1008·8	− 5·9	..	282	..	..	262	..	274·7	+0·1	*274·5*	38	+ 8
242a	Kuopio	62 54	27 40	99·7	..	1008·7	− 7·4	..	282	..	..	256	..	273·2	−0·8	*273·1*	21	..
243	Kola	68 53	33 1	6·7	1003·4	1004·3	− 8·1	..	279·6	30th	265·7	254·3	27th	270·3	−1·3	*270·1*	28	+21
244	Petrozavodsk	61 47	34 23	38·9	1003·4	1008·2	− 6·8	..	285·3	30th	269·4	256·9	6th	274·1	+0·2	*273·9*	..	..
245	Arkhangelsk	64 33	40 32	6·7	..	1006·8	− 7·2	..	281	..	..	245	..	270·1	−1·9	*269·8*	21	+ 1
246	Velsk	61 5	42 7	? 87	998·7	1009·7	..	..	288·0	30th	269·4	261·6	2nd	273·6	..	*273·3*	55	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1005·2	−11·0	..	284	..	..	239	..	268·5	−0·6	*268·2*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	992·8	1008·3	..	..	281·3	30th	267·7	257·1	4th	272·2	..	*271·9*	60	..
249																		
250	Berezov	63 56	65 4	39·9	1003·2	1008·3	− 8·1	..	281·2	26th	263·6	248·5	3rd	269·1	+2·1	*268·7*	34	+17
251	Obdorsk	66 31	66 35	24·2	1004·3	1007·5	− 7·2	..	276·6	13th	258·0	244·8	4th	263·0	−2·3	*262·6*	16	+10
252	Sourgout	61 15	73 24	40	1006·7	1011·8	− 7·8	..	286·2	27th	264·6	251·4	23rd	271·4	+1·6	*271·0*	28	+19
253																		
254	Touroukhansk	65 55	87 38	? 40	..	..	..	..	279·3	19th	259·3	242·4	7th	265·1	+2·8	*264·7*	24	+ 9
	Doudinka	69 7	87 0	? 20	1004·0	1006·6	..	..	274·3	14th	..	..	..	259·0	..	*258·7*	8	..
261																		
262	Olekminsk	60 22	120 26	? 202	..	..	..	..	283·7	16th	..	..	..	270·0	+2·7	*269·6*	20	..
263	Iakoutsk	62 1	129 43	? 108	..	..	..	..	278·9	29th	..	..	..	266·9	+2·6	*266·5*	5	− 1
264	Verkholansk	67 33	133 24	? 100	990·6	1003·6	−10·8	..	276·5	30th	253·4	235·3	1st	263·0	+3·8	*262·6*	..	..
	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	280·1	24th	257·5	241·1	10th	265·5	..	*265·1*	2	..
271																		
272	Markovo sur Anadyr	64 45	170 50	? 20	1009·5	1012·1	..	..	273·9	10th	251·2	234·6	17th	260·3	..	..	6	..
	Novo-Mariinskii Post	64 45	177 33	? 3	..	..	..	..	..	..	254·2	242·5	16th	..	..	..	6	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

APRIL—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
307		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
308																		
309		N.	W.															
310	Prince Rupert	54 18	130 18	52	1009·1	1015·5	..	279·7	289·1	..	273·1	266·1	..	276·4	..	..	219	..
311	Barkerville	53 2	121 35	1274	..	1014·6	..	276·2	286·3	30th	266·1	250·8	4th	271·2	−3·7	*271·4*	53	+3
312	Kamloops	50 41	120 29	379	..	1014·4	−0·8	287·8	295·8	30th	273·5	265·8	4th	280·6	−2·3	*280·6*	3	−6
313	Calgary	51 2	114 2	1033	..	1013·7	−0·2	282·3	296·3	21st	268·5	248·0	4th	275·4	−1·9	*275·6*	27	+9
314	Fort Chipewyan	58 42	111 10	218	988·0	1015·8	..	273·6	286·9	22nd, 24th	261·3	244·1	3rd	267·4	..	*268·3*	? 6	..
315	Prince Albert	53 10	106 0	436	961·5	1014·5	−0·7	284·1	296·6	..	268·6	254·1	..	276·3	+0·7	*276·8*	20	−1
316	Qu'Appelle	50 30	103 47	645	936·9	1014·4	−1·2	282·6	296·1	..	269·6	252·4	..	276·1	+0·9	*276·4*	13	−15
317	Minnedosa	50 15	99 50	515	952·9	1015·1	..	284·2	299·9	..	269·7	257·6	..	276·9	+0·9	*276·8*	16	−6
318	Berens River	52 18	97 23	216	..	..	..	280·3	293·6	..	267·7	246·9	..	274·0	..	*273·9*	33	..
318a	Fort Churchill	58 51	94 11	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
319	Fort Hope	51 32	87 48	..	986·0	..	..	280·0	294·7	26th	268·1	252·4	3rd	274·1	..	..	0	..
320	Moose Factory	51 16	80 56	9	1018·5	1019·6	..	277·2	294·1	28th	264·9	249·7	10th	271·1	..	..	18	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	1010·0	1011·9	−0·3	270·0	279·0	..	261·8	250·5	..	265·9	+0·1	..	..	..
324	Nain	56 33	61 41	4·2	1014·9	1015·4	+2·7	271·9	280·1	..	264·6	248·5	..	268·2	+1·2	..	..	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	278·6	16th	..	260·8	4th, 11th	272·1	+0·2	..	33	−28
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1014·8	1016·4	+3·4	284·2	286·3	1st	278·3	272·4	6th	281·3	−0·7	281·3	93	−6
335	Aberdeen	57 10	2 6	27·4	1010·4	1013·6	+0·8	282·9	289·7	22nd	276·9	271·9	6th	279·9	+0·8	279·8	34	−20
336	Greenwich	51 28	W 0 0	48·5	1011·3	1017·2	+3·0	285·9	292·4	22nd	276·7	270·2	6th	281·3	−0·6	280·9	44	+4
337	Uccle	50 48	E 4 22	100	1004·3	1016·6	+2·5	286·2	295·0	22nd	275·7	268·2	6th	281·0	−0·7	280·7	35	−18
338	De Bilt	52 6	5 11	3·0	1015·9	1016·3	+2·9	284·9	293·0	23rd	275·9	267·9	5th	280·4	−2·1	280·1	29	−14
338a	Hamburg	53 33	9 59	26·0	1011·4	1014·6	+1·2	284·4	295·8	19th	277·1	267·4	5th	280·8	−0·8	280·7	33	−8
339	Copenhagen	55 41	12 36	5·0	1011·8	1012·4	−1·5	283·0	291·4	21st	276·2	267·4	5th	279·6	+0·9	*279·5*	28	−5
340	Potsdam	52 23	13 4	84·9	1004·0	1014·4	+0·1	287·4	299·4	19th	276·3	265·7	5th	281·9	+1·0	281·2	27	−8
340a	Upsala	59 51	17 38	24·0	1005·8	1008·7	−5·3	281·8	295·0	20th	272·3	263·4	5th	277·1	+1·3	277·0	42	+14
341	Warsaw	52 15	21 1	127	998·7	1014·3	+0·7	284·6	296·2	23rd	277·4	268·4	6th	281·0	−0·8	*280·7*	32	−4
342	Jurjev	58 23	26 43	74·5	1001·0	1010·3	−4·3	280·9	295·0	..	271·5	258·1	..	276·2	−0·7	276·4	24	−0
343	Petrograd	59 56	30 16	4·8	..	1009·1	−5·7	..	290	..	..	256	..	274·7	−0·5	*274·6*	45	+25
344	Kiev	50 27	30 30	182·9	..	1013·6	−1·0	..	296	..	..	269	..	281·7	+1·6	*281·4*	25	−20
344a	Moscow	55 45	37 34	156	993·1	1012·4	−3·8	282·7	291·6	30th	273·4	267·5	2nd	278·1	+0·8	278·2	15	−19
345	Saratov	51 32	46 3	59·9	..	1015·6	+0·3	..	296	..	..	267	..	280·1	+1·6	*279·8*	47	+17
346	Kazan	55 47	49 8	79·8	1003·6	1013·5	−4·3	..	295·4	30th	..	264·4	2nd	277·5	+1·2	*277·4*	40	+15
347	Orenburg	51 45	55 6	114·1	..	1018·7	−0·9	..	296	..	..	260	..	279·2	+2·6	*278·9*	8	−17
348	Perm	58 1	56 15	163·0	..	1012·0	−5·4	..	289	..	..	263	..	275·3	+0·5	*274·9*	46	+20
349	Ekaterinburg	56 50	60 38	288·9	..	1014·8	−3·2	..	292	..	..	260	..	276·5	+2·0	*276·2*	10	−5
350	Tobolsk	58 12	68 14	108·3	1001·9	1015·5	..	..	292·9	27th	271·1	257·8	3rd	276·0	+2·3	*275·6*	20	+2
351	Akmolinsk	51 12	71 23	? 347	978·3	1020·7	−1·2	..	294·0	27th, 28th	271·2	249·1	1st	276·8	+1·9	*276·5*	0	−13
352	Omsk	54 58	73 23	87·3	1007·8	1018·8	−1·0	..	296·0	27th	271·0	253·9	1st	276·5	+3·8	*276·1*	14	+3
353	Barnaoul	53 20	83 47	157·7	1001·9	1021·6	−0·2	..	297·0	28th	270·7	250·9	2nd	277·4	+3·2	*277·0*	2	−12
354	Tomsk	56 30	84 58	121·6	1003·9	1019·2	−0·7	..	293·2	28th	270·1	257·6	1st	274·5	+2·2	*274·1*	33	+13
355	Minousinsk	53 43	91 41	? 255	990·3	1021·7	..	..	294·8	28th	271·2	260·6	2nd	277·8	..	*277·4*	12	+2
356	Eniseisk	58 27	92 11	84·4	1007·1	1017·8	−0·6	..	290·6	28th	267·7	257·3	7th	273·1	+1·6	*272·7*	30	+12
357	Irkutsk	52 16	104 19	467·0	962·7	1020·7	+1·2	..	295·5	29th	269·2	263·7	3rd	276·2	+1·4	*275·9*	5	−10
358	Kirensk	57 47	108 7	? 263	984·2	1017·0	..	..	285·2	15th	264·8	245·9	11th	272·3	..	*271·9*	13	..
359	Tchita	52 2	113 30	673·8	935·0	1016·3	..	..	288·6	29th	266·0	257·2	11th	274·1	..	..	8	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	955·8	1017·0	..	..	284·2	16th	260·3	244·8	12th	268·2	..	*267·8*	50	+31
360a	Nertchinsk	51 59	116 35	484·3	955·9	1015·1	..	..	296·4	30th	265·5	256·5	4th	274·4	−2·1	*274·1*	7	−5
361	Tygan Ourkan	54 5	124 46	? 370	967·9	1013·7	..	..	290·4	30th	262·1	250·5	13th	272·1	..	*271·8*	5	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	289·0	30th	266·0	251·3	1st	275·3	..	*275·0*	32	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1009·0	1011·6	−0·6	..	285·4	29th	265·2	249·8	1st	271·5	+1·1	*271·2*	29	−4
366	Okhotsk	59 21	143 17	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk Phare	52 53	158 47	87·1	998·0	1009·1	+0·6	..	275·1	11th, 30th	267·9	260·0	3rd	270·5	−2·0	..	59	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

APRIL—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1017·9	+1·3	285·7	292·3	23rd	275·3	270·6	13th	280·5	+1·9	280·4	15	−31
412	Portland, Oregon	45 32	122 41	46·6	1013·4	1018·9	+1·0	287·7	299·1	23rd	277·0	271·9	13th	282·3	−1·3	*281·9*	54	−24
413	Macleod	49 44	113 24	954	..	..	..	283·3	298·6	27th	269·5	257·4	3rd	276·4	−2·4	*276·6*	11	−2
414	Helena	46 34	112 4	1253	871·3	1014·9	0·0	283·4	291·9	20th	271·2	266·3	5th	277·3	−1·3	*277·4*	27	−2
414a	Salt Lake City	40 46	111 54	1331	864·9	1012·8	−0·3	287·1	297·4	1st	276·6	268·0	13th	281·8	−1·2	*282·1*	42	−16
415	Cheyenne	41 8	104 48	1856	810·0	1012·5	−0·3	285·7	294·7	26th	270·8	263·0	15th	278·2	−0·1	*278·2*	49	+2
416	North Platte	41 8	100 45	860	916·1	1015·9	+2·7	288·5	296·9	26th	273·3	265·2	15th	280·9	−1·6	*280·8*	63	+8
416a	Bismarck	46 47	100 38	510·2	955·3	1016·6	+1·7	285·7	303·6	27th	272·4	263·6	6th	279·0	+0·1	*278·8*	30	−18
417	Winnipeg	49 53	97 7	231·6	..	1017·0	−0·3	284·6	299·7	27th	271·8	258·0	1st	278·2	+1·6	*277·6*	65	+26
418	Duluth	46 47	92 6	345·3	976·0	1018·3	+2·0	280·8	290·8	29th	272·1	256·9	1st	276·4	−0·1	*276·3*	20	−27
419	Port Arthur	48 27	89 12	196·3	..	1018·9	+1·0	279·9	286·9	27th	269·5	254·1	1st, 2nd	274·7	0·0	*274·7*	17	−24
420	Chicago	41 53	87 37	250·9	988·4	1018·9	+3·0	283·8	294·1	27th	277·8	270·2	1st	280·8	+0·1	*280·7*	77	+4
421	Toronto	43 40	79 24	106·7	..	1020·2	+3·3	284·2	297·4	28th	274·4	264·3	2nd	279·3	+0·1	278·6	39	−15
422	New York	40 43	74 0	96	1008·8	1020·6	+4·7	286·1	298·6	29th	277·9	268·6	2nd	282·0	−0·7	281·8	78	−6
423	St. John, N.B.	45 17	66 4	21·3	..	1018·3	+4·8	280·3	292·2	29th	271·7	261·6	3rd	276·0	−1·2	*275·6*	34	−41
424	S. W. Point, Anticosti	49 24	63 35	9	1014·9	1016·1	+2·6	275·1	283·6	..	267·0	255·2	..	271·1	..	..	7	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1014·9	1015·9	..	276·6	283·6	..	272·8	267·4	..	274·7	..	..	104	+6
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1011·0	−2·2	276·7	291·3	28th	269·4	261·9	6th	273·1	−1·8	..	99	−12
435	Madrid	40 24	3 41	655·4	940·6	1017·4	+2·3	290·7	300·6	27th	276·8	269·4	8th	283·8	−1·5	283·2	32	−17
436	Nantes	47 15	W 1 34	41·4	1013·3	1018·4	+3·2	286·6	294·0	16th	277·0	270·1	6th	281·8	−2·4	*281·5*	33	−14
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·1	1017·2	+2·6	288·0	297·4	18th	275·7	270·0	6th	281·8	−1·2	281·7	19	−23
438	Marseilles	43 18	5 23	75·0	1004·9	1014·0	+1·3	289·8	298·0	24th	279·1	270·0	6th	284·5	−1·5	*284·1*	61	+18
438a	Zürich	47 23	8 33	493·2	957·8	1016·9	+1·8	..	296·2	23rd	..	268·7	5th	280·9	−0·9	280·9	44	−52
439	Rome	41 54	12 29	63·4	..	1012·6	−1·3	290·7	297	21st, 23rd	281·6	277	9, 10, 11	286·2	−0·5	*286·1*	37	−31
440	Vienna	48 15	16 22	202·5	989·6	1015·3	+1·7	286·4	295·4	24th	277·8	270·4	6th	282·1	+0·2	282·2	40	−10
440a	Buda-Pesth	47 30	19 2	129·6	997·9	1013·7	+0·4	288·7	298·7	23rd	277·9	271·6	6th	283·3	−0·2	*283·3*	32	−30
441	Bucharest	45 25	26 6	82	1003·0	1013·0	+0·1	289·5	297·3	30th	277·8	272·5	10th	283·7	+0·1	..	42	−9
442	Odessa (University)	46 29	30 46	65·3	1006·0	1014·0	−0·7	284·9	294·6	29th	277·7	273·0	12th	281·3	−0·9	*280·9*	17	−10
443	Kharkov (University)	50 0	36 14	140	..	1015·6	−0·1	..	294	..	..	271	..	280·8	+0·7	*280·5*	19	−21
444	Novorossiisk	44 40	37 49	37	..	1013·4	−1·7	..	291	..	..	274	..	283·1	−0·6	*282·8*	55	+10
444a	Tiflis	41 43	44 48	409	..	1014·7	−0·4	..	295	..	..	270	..	284·3	−0·7	*284·1*	82	+7
445	Astrakhan	46 21	48 2	−14	..	1015·6	−0·6	..	295	..	..	267	..	281·6	−0·9	*281·4*	66	+56
446	Fort Alexandrovsk	44 31	50 16	24	1010·0	1012·9	−2·9	..	295·0	30th	277·5	265·3	1st	281·8	−0·7	*281·6*	57	−8
447	Krasnovodsk	40 0	52 59	−15	..	1013·2	−2·5	..	300	..	..	274	..	286·2	−0·7	*286·0*	70	+50
448	Tachkent	41 20	69 18	478·3	960·0	1015·9	0·0	..	305·0	15th	282·1	268·8	2nd	287·6	−0·6	*287·3*	46	−12
449	Irgiz	48 37	61 16	112	1003·1	1016·9	..	..	297·0	29th	..	..	..	280·7	+1·1	*280·4*	4	−16
450	Narynskoe	41 26	76 2	?2015	..	..	..	..	292·8	27th	279·1	271·0	1st	284·7	+6·6	*284·4*	10	−17
451	Vernyi	43 16	76 53	? 835	920·8	1017·4	+1·8	..	301·9	19th, 20th	..	..	..	285·5	+1·8	*285·2*	82	−15
452	Mukden	41 48	123 23	43·8	1009·0	1014·4	−0·5	285·9	297·1	23rd	274·5	267·3	1st	280·2	−1·4	..	66	+40
461	Joshin	40 40	129 11	4·0	1012·8	1013·3	−0·6	285·3	298·7	22nd	275·6	264·6	1st	280·5	−0·2	..	33	+1
462	Vladivostok	43 7	131 54	15·7	1011·4	1013·3	−1·8	..	290·8	24th	273·2	264·6	1st	277·5	−0·5	*277·2*	36	+8
463	Ochiai	47 20	142 44	15·0	1011·6	1013·5	..	278·2	284·6	8th	267·9	250·4	1st	273·1	..	272·9	96	..
464	Nemuro	43 20	145 35	26·7	1009·3	1012·6	−1·4	280·3	287·1	20th	273·0	265·4	1st	276·6	+0·7	276·3	66	−4
465		N.	E.															
466		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N.

APRIL—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1012·0	1017·9	+0·3	288·0	295·8	17th	282·0	278·6	12th	285·0	−0·1	*284·4*	23	−27
512	San Luis Obispo	35 18	120 39	61·3	1010·6	1017·9	+0·3	289·9	298·6	15th	281·3	276·3	27th	285·6	−0·2	*285·2*	34	−17
513	Modena	37 48	113 54	1670	830·8	1011·8	0·0	288·7	294·7	25th	270·9	263·6	15th	279·8	−1·5	*280·0*	2	−19
514	San Diego	32 43	117 10	26·5	1012·6	1015·6	0·0	290·3	299·1	14th	284·2	279·7	13th	287·3	−0·3	*287·2*	17	−3
515	Santa Fé	35 41	105 57	2138	784·9	1010·8	+0·3	287·9	293·0	23rd	274·8	270·2	13th	281·4	−0·3	*281·5*	12	−10
516	Denver	39 45	105 0	1613	834·3	1011·8	−0·7	289·9	297·4	26th	275·1	268·0	14th	282·3	+0·6	*282·3*	36	−19
517	Abilene	32 23	99 40	529·7	952·8	1013·5	+1·0	295·7	305·2	12th	284·6	279·1	9th	290·1	−0·9	*290·0*	69	+11
518	Saint Louis	38 38	90 12	172·8	996·4	1016·9	+1·7	289·9	296·3	17th	280·7	273·0	7th	285·3	−1·1	*285·1*	190	+100
519	Mobile	30 41	88 2	17·4	1015·3	1017·3	+0·7	297·5	302·4	20th	289·4	284·1	10th	293·4	+1·6	*293·1*	340	+230
520	Nashville	36 10	86 47	166·4	998·9	1018·9	+2·7	292·5	302·4	6th	282·7	272·4	1st	287·6	−0·5	*287·4*	130	+19
521	Charleston	32 47	79 56	14·6	1018·6	1020·3	+3·4	294·6	301·9	8th	287·1	281·3	10th	290·9	+0·2	*290·6*	44	−32
522	Washington	38 54	77 3	34·1	1016·6	1020·6	+4·1	289·0	299·7	6th	278·3	269·7	2nd	283·7	−1·1	*283·8*	72	−10
523	Bermuda	32 17	64 46	46·0	..	1021·6	+3·2	293·1	295·4	8th	286·6	284·3	15th	289·8	+1·2	..	44	−81
524	Horta	38 32	28 38	30	..	1019·1	−1·7	290·6	293	22, 25, 27	287·1	284	9th, 17th	288·8	+0·3	..	36	+2
531	Ponta Delgada	37 44	25 40	17	..	1019·5	+0·7	290·0	293	22nd	286·1	283	10th	288·0	−0·3	..	62	−13
532	Madeira (Funchal)	32 37	16 54	25	1016·3	1019·3	+1·3	291·6	296·9	23rd	282·2	279·4	13th, 14th	286·9	−1·2	..	122	+72
533	Lisbon	38 43	9 9	95·4	1006·6	1018·1	+2·2	289·6	296·5	23rd	282·6	277·3	6th	286·1	−2·1	*285·2*	86	+12
534	Casablanca	33 37	7 35	17	1015·2	1017·3	..	291·0	292·7	..	285·4	282·2	..	288·2	−1·3	*287·5*	79	+46
535	Gibraltar	36 6	5 21	16	1012·9	1014·8	−0·5	291·9	298·0	28th	..	..	..	287·4	−1·9	*287·2*	196	+138
536		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

APRIL—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1010·8	1015·4	+3·8	292·4	301·9	29th	285·4	280·9	6th	288·9	−0·9	*288·3*	55	+ 1
538	Palma	39 33	2 42	23	..	1016·6	+1·7	291·1	299	28th	282·6	277	5th, 6th	286·8	−0·7	..	31	+ 9
538*a*	Tunis	36 48	10 10	43	1010·6	1015·7	+3·2	291·8	299·2	29th	283·1	277·0	16th	287·5	−0·5	..	52	+ 11
539	Malta	35 54	14 31	59	..	1014·4	+1·2	290·3	294	29th, 30th	285·4	283	15th, 16th	287·8	−1·0	..	34	+ 4
540	Catania	37 30	15 3	64·9	1005·3	1013·1	−0·7	291·6	299·8	30th	283·3	279·2	13th	287·5	−0·3	..	34	+ 7
541	Athens	37 58	23 43	107·1	..	1012·0	−1·6	290·8	295	6, 7, 29	283·6	278	15th	287·2	−1·2	*287·0*	29	− 3
542	Alexandria	31 9	29 54	32·0	..	1013·5	−0·8	297·0	308	6th	287·8	283	17th	292·4	+0·4	*291·7*	2	
543	Cairo (Helwan	29 52	31 20	115·6	..	1013·2	−0·9	301·2	310	11th	287·4	281	18th	294·3	+0·3	293·8	0	− 11
544	Nicosia	35 12	33 24	152	..	1011·5	−2·3	294·8	300	9th	279·7	276	15th, 16th	287·2	−1·9	..	16	− 6
544*a*	Beirut	33 54	35 28	52·4	..	1011·5	−1·2	294·9	300	11th	287·5	284	20th	291·2	−0·4	..	126	+ 73
545	Baghdad	33 21	44 28	38·7	1008·0	1012·5	−1·8	299·1	305·9	12th	287·6	280·8	1st	293·3	−0·4	..	24	− 15
546	Lenkoran	38 46	48 52	−19	1016·7	1014·4	−0·7	..	292·0	29th	280·1	272·0	1st	283·1	−2·9	*282·9*	49	+ 23
547	Busrah	30 31	47 53	7·6	1012·2	1012·9	−0·6	298·5	304·8	13th	290·3	283·7	1st	294·4	−2·2	..	35	+ 11
548	Meshed	36 16	59 35	946	904·1	1012·3	..	292·7	301·6	15th, 19th	278·7	265·4	1st	285·7	−1·5	..	35	
549	Quetta	30 11	67 3	1677	833·1	..	+0·3	296·2	301·1	21st	280·0	272·8	3rd	288·1	−0·6	*288·4*	14	− 14
550																		
551	Lahore	31 34	74 20	214	983·5	1007·8	+0·4	307·2	311·8	18th	290·9	284·8	5th	299·1	−1·3	*298·9*	10	− 12
551*a*	Simla	31 7	77 8	2204·3	780·9	..	−0·1	291·4	296·2	26th	283·9	278·5	3rd	287·7	−0·2	*288·0*	31	+ 9
552*a*	Dehra Dun	30 20	78 0	681	931·9	1006·8	−0·6	286·8	292·4	22nd	271·8	266·9	5th	279·3	−0·4	*278·7*	13	+ 10
								304·3	309·4	26th	289·8	285·5	5th	297·0	−1·2	*296·9*	5	
559	Hang Kow	30 35	114 17	37·0	1011·1	1015·5	−0·5	294·9	309·0	25th	285·8	279·2	1st	290·4	+0·9	..	131	+ 26
560	Tiensin	39 10	117 10	5·0	1015·2	1015·8	0·0	290·3	305·0	23rd	279·7	274·0	19th	285·0	−1·6	..	29	+ 21
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1014·5	1015·3	−0·3	292·0	305·8	25th	282·6	277·4	18th	287·3	+0·3	286·6	95	0
562	Chemulpo	37 29	126 32	67·6	1007·4	1015·7	+0·8	286·3	294·0	13th	278·1	272·9	20th	282·2	−2·0	281·9	77	+ 24
562*a*	Nagasaki	32 44	129 52	133·0	999·2	1015·2	−0·2	291·2	296·6	14th	282·1	276·9	1st	286·6	−1·0	286·3	162	− 64
563	Kioto	35 1	135 46	49·4	1009·0	1015·0	−1·0	291·7	299·8	24th	278·4	269·7	2nd	285·0	−0·3	284·8	199	+ 30
564	Tokio	35 41	139 45	21·3	1009·8	1012·3	−3·3	291·5	298·2	26th	282·3	271·9	2nd	286·9	+1·5	286·8	130	+ 1
565	Miyako	39 38	141 59	30·4	1008·9	1012·6	−2·9	287·7	302·4	24th	277·0	265·7	2nd	282·4	+0·8	281·5	314	+ 304
566																		
		N.	E.															

APRIL—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1015·1	1016·4	−0·1	298·6	300·8	..	293·3	289·1	..	295·9	−0·2	..	43	− 17
606																		
615	Zacatecas	22 47	102 35	2610	745·7	..	..	291·8	296·0	11, 13, 30	280·7	274·2	25th	286·3	..	..	17	..
616	Leon	21 7	101 41	1798·6	821·8	..	−0·6	301·7	305·8	14th	285·8	281·0	26th	293·8	−0·3	..	6	− 1
617	Galveston	29 18	94 50	16·5	1012·6	1014·5	−0·3	297·2	300·8	30th	291·5	284·7	9th	294·3	+0·9	*294·1*	194	+ 118
618	New Orleans	29 58	90 4	15·5	1014·2	1015·9	0·0	299·0	303·0	5th	290·5	285·2	10th	294·8	+1·8	*294·5*	350	+ 225
619	Havana	23 8	82 22	24·3	..	1016·7	+0·5	..	303·0	23rd	..	291·6	1st	297·7	+0·2	*297·7*	113	+ 49
620	Key West	24 33	81 48	6·7	1016·1	1016·9	+0·3	301·0	302·4	13th	295·1	292·4	2nd	298·1	+0·9	*298·0*	38	+ 8
621	Nassau, Bahamas	25 5	77 21	7·6	1016·1	1017·0	+0·1	299·2	302·7	21st	293·7	291·9	17th, 29th	296·5	0·0	..	57	− 18
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	293·3	301·1	..	285·7	282·6	..	289·5	−0·8	..	16	− 18
634	Las Palmas, Canary Islands	28 7	W15 26	7	1017·2	1018·0	−1·9	295·6	298·4	11th	288·1	284·6	2nd	291·9	+0·6	..	5	− 3
637	Insalah	27 17	E 2 27	330	979·6	1017·5	+2·1	306·4	313·2	31st	288·3	282·8	22nd	297·4	−0·1	*297·4*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1016·0	+0·5	307·4	316	15th	287·6	282	1st, 18th	297·5	0·0	*299·1*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1012·4	−0·1	309·0	318	25th	289·5	282	1st	299·6	+0·2	*300·4*	..	..
643	Suez	29 57	32 32	3·4	..	1013·2	−0·1	301·0	309	13th	288·1	283	20th	294·6	+0·5	..	0	− 4
644	Aswan	24 2	32 53	99·6	..	1012·7	−0·3	308·4	317	25th	290·9	285	19th	299·6	−0·4	*300·2*	..	..
647	Bushire	28 59	50 53	4	1011·0	1011·6	+0·2	298·2	305·7	18th	291·1	284·9	2nd	294·7	−1·7	..	2	− 12
648	Jask	25 44	57 47	4	1009·8	1010·2	−0·6	302·6	305·4	11th, 30th	293·8	290·7	3rd	298·2	−1·6	..	0	− 1
649	Kurrachee	24 53	66 57	4	1009·8	1010·4	+1·3	302·1	305·5	3rd	295·6	291·3	5th	298·8	−0·7	*298·1*	0	− 6
650	Hyderabad, Sind	25 24	68 18	29	1005·4	1008·7	+0·7	310·4	313·6	18th	294·4	288·0	4th	302·4	−1·4	..	0	0
651	Jaipur	26 56	75 52	436	960·3	1008·2	+0·3	311·1	313·7	18, 25, 26	294·1	288·9	6th	302·6	−0·7	*302·5*	2	− 1
652	Nagpur	21 8	79 5	310	973·4	1007·5	−0·2	314·2	316·1	27th	296·5	291·8	6th	305·4	−0·3	*305·2*	0	− 12
653	Allahabad	25 25	81 51	91	996·1	1006·7	−0·5	312·1	315·8	26th, 27th	294·2	290·2	6th, 7th	303·2	−1·0	*302·9*	6	− 3
654	Calcutta	22 36	88 23	6	1007·2	1008·0	−0·1	307·9	311·8	29th	297·5	293·0	21st	302·7	−0·1	*302·3*	52	+ 15
655	Gauhati	26 8	91 41	59	1003·0	1009·8	..	303·4	308·7	30th	292·9	289·4	22nd	298·2	..	..	135	− 14
655*a*	Cherrapunji	25 15	91 42	1313	868·0	..	..	293·7	297·0	15th	286·2	276·7	4th	289·9	..	..	1105	+ 269
656	Shillong	25 33	91 48	1500	848·2	..	..	295·6	299·6	16th	286·8	283·4	22nd	291·2	..	..	154	+ 40
656*a*	Akyab	20 11	92 56	6	1009·4	1010·1	−0·3	304·2	305·7	7th, 15th	296·7	293·7	20th	300·4	−1·4	*300·1*	402	+ 370
657	Phu Lien	20 48	106 37	115·6	997·6	1011·1	+0·3	299·2	305·5	27th	293·1	286·6	18th	296·2	0·0	295·3	78	0
658	Moncay	21 31	107 51	10	1010·3	1011·5	+0·5	298·7	304·4	25th	293·0	287·5	19th	295·9	0·0	*295·1*	50	− 58
659																		
660	Hong Kong	22 18	114 10	33·2	1008·8	1012·6	0·0	296·3	303·5	26th	292·1	289·3	1st	294·2	−0·2	293·9	151	− 1
661	Taihoku, Formosa	25 2	121 31	9·3	1012·4	1013·5	−0·3	297·5	305·1	25th	289·9	284·6	20th	293·7	−0·5	293·3	65	− 75
662	Naha	26 13	127 41	10·5	1013·1	1014·3	−0·3	297·2	301·8	24th	290·2	286·5	19th	293·7	−0·4	293·5	53	− 112
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

APRIL 1911.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

APRIL—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	307·0	..	..	280·0	..	..	..	..	4	..
716	Morelia	19 14	100 7	1933	809·9	..	..	298·5	301·8	14th	284·4	280·8	4th	291·5	..	*292·0*	4	..
717	Salina Cruz	16 12	95 16	56·3	1005·2	1011·7	..	..	307·6	..	..	295·8	..	301·1	..	..	21	..
718	Mexico	19 26	99 8	2280	779·7	..	+0·2	299·1	303·1	13th	283·1	280·2	9th	291·1	−0·2	290·6	1	− 18
718*a*	Oaxaca	17 4	96 44	1563	846·2	..	..	303·8	306·6	4th	286·4	282·4	3rd	295·1	..	*294·5*	39	..
719	Belize	17 29	88 12	2·1	1017·8	1018·0	+3·5	303·6	305·8	25th	300·2	295·8	25th	301·9	+1·1	*300·7*	33	− 32
720	San Salvador	13 44	89 9	657	938·0	1011·2	+0·7	306·2	310·0	23rd	292·0	288·5	17th	299·1	+1·0	..	15	− 25
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·1	+0·7	303·3	305·3	27th	293·9	291·9	17th	298·6	+0·2	*298·2*	22	− 55
722	Port au Prince	18 34	72 22	37·4	1010·6	1014·9	+2·6	305·5	308·4	..	294·3	292·5	..	299·9	−0·1	299·0	167	+ 11
723	St. Croix (Christiansted)	17 45	64 42	6·6	1012·8	1013·7	..	301·4	303·4	..	296·3	294·8	..	298·9	..	..	51	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·3	1013·2	+0·5	302·4	303·6	sev. dates	296·3	294·7	15th	299·4	+0·4	*299·0*	42	− 18
725	Barbados	13 8	59 36	55·2	..	1011·7	−0·1	302·3	304·4	..	297·2	292·1	..	299·8	+0·5	*299·7*	36	− 6
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1016·0	1017·2	+2·8	297·6	301·0	6th, 7th	292·0	289·0	8th	294·8	−0·4	..	0	− 1
732	San Tiago, C. Verde Is.	14 54	23 31	34	1013·8	1017·8	..	300·5	305·0	29th	294·6	292·4	16th	297·5	+1·4	..	0	− 1
733	Bathurst	13 24	16 36	1·5	1014·5	1011·7	−0·1	302·7	313·6	19th	292·2	290·2	7th, 27th	297·4	0·0	*298·0*	0	0
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	314·5	317·4	10th, 19th	292·8	288·6	5th, 9th	303·7	−0·6	..	0	0
735	Ségou	13 34	6 17	? 272	..	..	..	311·9	317·0	10th	296·9	292·6	25th	304·4	..	..	5	..
736	Timbouctoo	16 43	W 2 52	250	980·9	1008·7	−0·4	313·8	319·0	..	294·9	288·0	..	304·4	−1·0	*304·3*	1	..
737	Sokoto	13 2	E 5 14	354	..	..	..	312·0	314·7	6, 9, 10	299·5	295·8	23rd	305·8	+0·1	..	4	− 2
738	Kontagora	10 24	5 24	400	..	..	..	307·7	311·9	10th	296·2	291·3	11th	302·0	−1·3	..	86	+ 34
739	Maiduguri	11 48	13 12	370	..	..	..	314·6	316·9	9th	297·6	292·4	4th	306·1	−0·1	..	8	− 4
740	Katagum	12 17	10 22	329	..	..	..	315·2	318·0	7th	296·2	290·8	6th	305·7	+0·6	..	5	− 6
742																		
743	El Obeid	13 11	30 14	585	..	1010·6	+0·1	312·0	315·8	25th	291·6	284·3	19th	301·8	+0·3	*302·5*	0	− 2
744	Khartoum	15 37	32 33	390	..	1009·2	+1·2	311·5	318·3	25th	294·7	287·0	19th	303·1	−0·1	*303·9*	0	0
746	Aden	12 45	45 3	28·7	1009·6	1012·8	+1·4	303·7	305·6	30th	298·6	296·3	14th	301·2	−0·3	*300·2*	0	− 10
751	Bombay	18 54	72 49	11·3	1010·1	1011·5	+0·9	304·2	306·3	27th	297·5	295·8	5th, 7th	300·8	−0·6	*300·2*	0	− 2
752	Mysore	12 18	76 40	768	926·6	1010·1	+0·1	308·1	309·4	15th, 16th	293·8	292·4	19th	300·9	+0·1	300·9	36	− 40
752*a*	Kodaikanal	10 13	77 28	2343	771·9	..	0·0	294·9	296·9	3rd, 6th	285·7	284·1	2nd	290·3	+0·9	289·1	111	− 3
753	Madras	13 4	80 14	6·7	1008·4	1009·2	−0·9	307·2	312·2	19th	298·7	296·1	2nd, 3rd	302·9	+0·4	302·2	0	− 10
754	Waltair	17 45	83 16	68·9	1001·3	1009·0	−0·6	304·6	307·5	21st	298·7	297·1	1st	301·6	..	*301·0*	3	− 12
755	Port Blair	11 40	92 40	17·7	1008·7	1010·7	0·0	304·6	306·4	4th	297·9	296·6	1st	301·3	−1·6	*300·7*	122	+ 38
756	Rangoon	16 46	95 48	5·5	1010·0	1010·7	0·0	308·7	311·1	12th	297·3	294·3	1st	302·9	−0·8	*301·6*	29	− 18
757	Saigon	10 46	106 42	11·2	1008·2	1009·5	+0·7	308·8	312·0	6th	296·1	293·5	22nd	302·5	−0·7	..	178	+ 111
758	Nhatrang	12 16	109 12	6·8	1008·8	1009·6	−0·4	305·2	307·5	28th	296·3	294·2	3rd	300·8	0·0	..	38	+ 8
759	Bolinao	16 24	119 53	7·5	..	1008·8	−0·2	306·2	308·9	21st	296·4	294·1	1st	301·3	..	..	100	+ 54
760	Vigan	17 34	120 23	14·7	..	1008·7	−1·3	306·2	308·9	23rd	296·2	294·5	24th	301·2	−0·6	300·7	105	+ 73
761	Manila	14 35	120 59	14·2	..	1009·1	−1·0	306·1	311·0	17th	295·4	291·0	1st	300·8	−1·2	300·0	107	+ 74
762	Ormoc	11 0	124 36	5·6	..	1008·7	−1·0	306·1	308·6	12th	295·1	293·7	17th	300·4	−0·3	298·9	81	+ 16
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	303·3	305·4	25th	297·6	295·0	6th	300·1	..	..	22	..
		N.	E.					302·5	303·6									

Between Latitude 10° N. and 0°.

APRIL—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	1010·2	1010·6	−1·1	302·3	303·8	30th	298·0	296·6	3rd	300·2	−0·1	*299·6*	214	−243
819	Culebra	9 10	79 40	123·1	..	1010·4	−0·6	304·1	306·3	29th	295·8	293·6	1st	299·9	−0·4	..	124	+ 27
822																		
823	El Peru, Guayanavieja	7 30	62 0	? 300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1013·0	1013·2	+0·7	302·4	303·1	12th	296·8	295·4	5th, 6th	299·6	−0·1	..	214	+ 31
826	Paramaribo	5 49	55 9	4	1012·2	1012·7	..	302·5	303·8	12th	296·2	294·8	8th	299·4	..	298·6	216	− 12
826*a*	Cayenne	4 56	52 21	6	..	..	..	302·5	304·0	4th	296·5	294·4	9th	299·5	−0·5	..	533	+138
833	Conakry	9 31	13 43	16	1009·4	1011·2	+0·6	305·3	307·6	..	297·4	295·2	..	301·4	0·0	..	0	− 26
834	Sierra Leone	8 30	13 9	68·3	1002·2	1010·0	−0·7	306·2	308·1	11th	297·0	295·7	12th	301·6	+0·2	..	17	− 92
835	Cape Coast Castle	5 5	1 13	..	..	..	..	303·3	304·7	26th, 28th	295·7	294·7	6, 15, 27	299·5	−1·0	..	74	− 11
836	Accra	5 35	W 0 6	18	..	..	..	303·2	304·7	4, 5, 15	294·8	291·3	1, 6, 18	299·0	−1·3	..	85	− 15
837	Lagos	6 22	E 3 28	7·6	1010·0	1010·9	+1·1	304·2	306·3	..	296·0	294·1	..	300·1	−0·8	..	200	+ 47
838	Zungeru	9 48	6 10	130	995·6	1016·6	+0·9	308·2	310·8	5th, 10th	297·2	294·1	12, 13, 16	302·7	−1·2	..	61	+ 2
838*a*	Libreville	0 23	9 26	35	..	..	..	304·3	305·3	8th, 30th	295·7	294·1	12th, 28th	300·0	+0·1	..	335	+ 6
839	Yola	9 12	12 30	259	..	..	..	309·4	313·0	11th	297·9	293·6	16th, 25th	303·7	−0·9	..	99	+ 46
841	Kafia Kingi	9 22	24 18	596	944·4	1009·5	..	..	..	..	..	..	..	300·6	..	..	39	..
842	Wau	7 42	28 3	440	..	1009·5	..	309·7	312	sev. dates	295·0	289	16th	302·4	..	..	748	+ 10
843	Entebbe	0 5	32 29	1177	883·4	..	+1·0	297·5	299·6	3rd	289·5	288·0	19th, 20th	293·5	−0·8	*293·5*	314	+ 57
844	Nandi	0 2	35 5	2010	..	..	..	297·2	298·6	30th	284·9	283·0	24th	291·0	+0·5	..	162	− 72
845																		
851	Cothin	10 0	76 21	2·7	1010·7	1011·0	+0·6	305·9	308·4	24th	299·3	296·7	24th	302·6	+0·2	*302·0*	111	− 21
852	Colombo Observatory	6 54	79 53	7·3	1008·5	1009·3	+1·0	306·3	307·9	10th	298·2	295·3	24th	302·3	+0·3	*301·7*	19	−202
853	Candy	7 18	80 40	504·5	..	..	..	304·1	305·6	22nd	293·8	289·1	1st	298·9	+0·7	..	73	−104
855	Medan	3 35	98 41	23·5	..	1009·6	−0·4	305·8	309·3	14th	294·6	292·9	1st	300·2	..	..	242	+113
857	Penang	5 34	100 20	5·0	1007·2	1007·8	−2·0	305·6	307·4	1st	296·6	295·8	4th	301·1	−0·1	..	231	+ 53
858	Singapore	1 17	103 51	3·0	1009·1	1009·4	+0·7	305·2	307·9	14th	296·4	295·2	9th	300·8	+0·6	..	97	−104
860	Sandakan	5 49	118 12	..	..	..	..	304·7	305·8	9, 19, 30	297·3	295·8	3rd	301·0	+0·2	..	138	+ 28
861	Tagbilaran	9 38	123 51	21·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
862	Surigao	9 48	125 29	6	..	1008·6	−1·0	303·5	306·5	28th	296·2	294·5	23rd	299·9	+0·1	299·6	128	−144
863	Yap	9 29	138 8	31·9	..	..	..	303·4	304·7	27, 29, 30	297·7	296·4	25th, 30th	300·6	..	..	168	..
869	Uyelang	9 42	161 2	<10	1007·9	1009·0	−2·0	..	..	..	..	..	..	..	..	..	245	+126
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

APRIL—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1009·0	1009·9	+1·4	304·5	305·2	3, 15, 27	296·9	295·8	2nd, 23rd	300·7	−0·8	..	55	− 40
906																		
923	Manaos	3 8	59 59	32·4	1004·2	1007·9	−0·2	..	..	..	..	..	..	299·8	−1·1	..	161	− 28
930	Fernando Noronha	3 51	W32 25	95	..	1012·3	+2·1	299·7	300·5	..	296·6	295·0	..	298·2	..	..	223	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	306·6	309·3	11th	294·3	293·0	27th	300·5	−0·1	..	276	+ 22
940	Loango	4 38	11 50	? 50	..	..	..	302·3	303·4	17th	296·2	293·8	4th	299·3	..	..	60	..
943	Daressalam	6 49	39 18	7·6	1012·3	1013·1	+0·7	301·8	304·1	7th	295·1	294·3	1st	298·5	−0·6	298·2	294	+ 81
944	Nairobi	1 18	36 59	1660	..	..	..	295·8	301·3	1st	285·1	283·3	1st	290·4	−1·3	..	245	+ 30
944*a*	Zanzibar	6 10	39 11	21·9	1012·7	1015·2	+1·5	301·8	303·7	1st	298·6	295·9	12th	300·2	−0·2	*299·2*	340	+ 4
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	303·3	304·1	17th	296·9	295·8	26th	300·1	..	..	185	− 84
947	Seychelles	4 37	55 27	4·6	1011·4	1011·8	+1·2	302·4	303·3	..	298·6	296·7	..	300·5	+0·5	..	72	−145
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·4	−0·6	..	..	..	..	..	..	..	..	..	399	+ 45
957	Batavia	6 11	106 50	8	..	1009·7	+0·4	303·9	306·4	16th	296·5	295·6	25th	300·2	+0·3	299·7	103	− 20
958	Pontianak	0 1	109 20	2·6	..	1008·9	−0·2	..	..	..	..	..	..	..	..	..	289	+ 19
959	Passeroean	7 38	112 55	5·0	..	1009·8	+0·3	304·1	305·5	..	296·2	293·5	..	300·2	..	..	27	−101
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	207	− 13
961	Koepang	10 10	123 34	3·3	..	1008·6	+0·3	..	..	..	..	..	..	..	..	..	47	− 14
962	Ambon	3 42	128 10	4·2	..	1006·8	−1·7	..	..	..	..	..	..	..	..	..	110	−158
965	Daru	9 4	143 13	8	1006·3	1007·2	−2·9	303·3	..	..	297·2	..	..	300·3	+0·2	..	106	−207
966	Port Moresby	9 29	147 9	39	1006·3	1010·7	+0·8	303·9	..	..	297·2	..	..	300·6	−0·1	..	54	− 23
967	Rakuranga	4 13	152 8	*ca.*120	..	..	..	..	..	..	..	..	..	..	..	..	168	..
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	353	+ 6
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·3	1007·5	−0·7	304·6	306·3	2, 18, 21	297·5	296·3	26th	301·1	+0·8	..	211	+ 14
970	Ocean Island	0 52	169 36	48·5	..	?1008·5	?+0·2	304·7	305·5	16, 26, 27	298·4	297·4	1st, 28th	301·6	+0·7	..	680	+470
		S.	E.															

APRIL—ZONE 10.

Between Latitude 10° S. and 20° S.

1001		S.	W.															
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1011·5	1015·7	+0·8	303·6	306·9	9th	294·9	292·4	6th	299·3	+0·2	..	258	+ 20
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	1005·2	1010·6	−0·5	303·0	305·0	..	295·5	292·4	..	299·8	..	..	301	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	303·0	304·4	23rd, 24th	287·1	284·4	28th	295·1	+3·0	*292·2*	0	..
1022	Arequipa	16 22	71 33	2451	760·9	..	−0·1	293·0	295·8	22nd	282·9	279·1	29th	287·9	+0·9	..	2	− 8
1023																		0
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	289·0	−0·6	..	49	+ 5
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	298·0	+0·2	..	69	+ 2
1026	Cuyaba	15 36	56 0	235	992·5	1019·5	+1·2	301·4	305·3	..	295·4	292·0	..	298·4	−1·4	..	84	
1035	St. Helena	15 57	W 5 40	632	945·8	1018·3	+0·1	294·7	297·7	1st	288·8	286·9	30th	291·8	+0·5	*291·6*	53	− 55
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	860·9	..	+0·6	297·6	301·2	..	281·8	278·3	..	289·7	−1·5	..	29	+ 12
1043	Salisbury, Rhodesia	17 49	31 3	1487	859·6	..	+2·4	298·0	301·3	..	283·2	279·2	..	290·6	−1·3	..	26	0
1044	Zomba	15 23	35 18	899	909·5	1010·1	+3·7	298·3	300·0	27th	287·8	285·8	18th	293·1	−0·5	*292·3*	101	+ 4
1045	Tamatave	18 9	49 26	4	1016·5	1016·9	+2·7	..	..	..	295·0	293·2	..	297·7	−0·8	..	254	− 54
1046	Tananarivo	18 55	47 32	1400	866·4	..	+1·5	296·3	299·1	3rd	285·9	283·5	11th	291·1	−1·3	290·2	38	− 19
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1010·6	+0·1	302·7	303·8	2nd	298·2	296·3	5th	300·4	−0·3	..	319	+ 64
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1007·5	1008·1	0·0	304·3	306·2	..	296·7	294·9	..	300·5	−0·2	..	164	− 34
1058																		
1061	Derby	17 18	123 40	16·2	..	1010·7	0·0	307·1	312·3	8th	296·2	290·2	20th	301·7	−0·1	..	12	− 31
1062	Hall's Creek	18 13	127 46	373·4	..	1011·2	−0·9	305·7	312·4	4th	290·1	284·7	22nd	297·9	−0·6	..	164	+139
1063	Port Darwin	12 28	130 51	29·6	..	1008·5	−0·3	305·4	307·7	1st	297·0	294·1	29th	301·2	−0·9	*300·1*	263	+ 87
1064	Daly Waters	16 16	133 23	213	..	1009·4	..	304·4	310·2	4th	291·9	285·2	23rd	298·2	−1·7	*297·7*	112	+ 94
1065	Mein	13 13	142 57	121·9	..	1007·9	..	303·7	305·2	2, 5, 13	294·8	288·8	28th	299·2	..	..	179	+ 8
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1010·3	..	303·4	306·4	14th	290·4	282·0	25th	296·9	..	..	49	
1067	Samarai	10 37	150 40	6·4	1008·7	1009·5	+0·3	302·6	..	..	295·9	..	..	299·3	−0·4	..	274	+ 21
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	304·5	306·7	10th	293·4	289·8	16th	299·0	..	..	325	..
1071																		
1072	Suva, Fiji	18 8	178 26	14·8	..	1011·6	0·0	302·4	304·7	21st	295·1	291·9	16th, 19th	298·7	−0·3	..	134	−142
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

APRIL—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	299·7	302·4	1st	294·6	291·3	30th	297·1	..	..	168	− 48
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1012·0	1015·0	−0·5	291·6	296·0	9th	284·6	282·8	25th	288·1	+0·3	*287·5*	0	0
1122	Puerto de Antofagasta	23 39	70 25	10	..	..	..	298·0	298·6	12th	287·2	287·0	sev. dates	292·6	0·0	..	0	0
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	..	293·2	+0·6	*292·2*	150	+ 66
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	187	+119
1127	Curityba	25 26	49 16	908	914·9	1018·2	+0·2	295·9	300·6	..	284·3	277·1	..	290·1	−0·3	*289·7*	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1008·0	1015·5	+0·3	..	..	..	..	..	..	296·4	−0·9	..	72	− 44
1139	Windhuk	22 34	E17 5	1665·3	835·7	..	..	299·8	301·8	20th	286·8	279·7	26th	293·3	+0·7	293·5	14	− 30
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	292·8	298·8	1st	282·8	278·4	27th	287·8	−0·2	*287·5*	70	+ 39
1142	Kimberley	28 43	28 46	?1232	885·4	..	+1·0	297·4	..	..	283·0	..	..	290·2	−0·4	289·6	..	..
1142*a*	Pretoria	29 51	31 0	79·9	..	..	..	297·9	302·6	1st	282·4	277·4	27th	290·2	−0·3	..	59	+ 17
1143	Durban	25 45	28 11	1338	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1144	Lorenzo Marques	25 58	32 36	59	..	1019·3	+2·2	300·3	305·9	23rd	291·1	288·9	4th	295·7	−1·0	294·9	61	+ 22
1147	Mauritius	20 6	57 33	54·3	1009·3	1015·8	+1·8	299·0	300·7	4th	293·3	289·8	17th	296·2	−1·2	295·9	47	− 70
1148																		
1159	Onslow	21 43	114 57	4·3	..	1010·8	−1·0	308·3	312·3	3rd	291·7	288·0	21st	300·0	+0·3	..	0	− 27
1160	Peak Hill	25 38	118 47	588·3	..	1011·6	−1·8	304·9	309·9	1st	290·6	285·2	27th	297·8	+1·7	..	0	− 34
1161	Nullagine	21 53	120 5	385·6	..	1011·6	−1·0	307·6	311·8	3rd	289·6	281·5	21st	298·6	+0·3	..	0	− 30
1162	Laverton	28 40	122 23	466·3	..	1015·3	−2·0	302·4	310·2	2nd	286·2	280·8	28th	294·3	+0·7	..	0	− 28
1163	Alice Springs	23 38	133 37	587·0	..	1013·1	−2·2	302·3	308·1	9th	285·0	279·9	20th	293·7	+0·6	*293·9*	3	− 21
1164	William Creek	28 55	136 21	76·2	..	1016·2	..	301·1	305·8	4th	283·8	278·6	16th	292·4	..	*292·4*	0	− 12
1165	Boulia	22 55	139 38	145·7	..	1011·5	..	304·2	309·2	10th, 11th	290·1	281·6	22nd	297·1	..	..	22	+ 3
1166	Mitchell	26 32	147 52	337·1	..	1013·6	..	300·2	305·9	6th	282·2	273·0	28, 29, 30	291·2	..	..	3	− 37
1167	Rockhampton	23 24	150 30	11·3	..	1013·7	..	302·3	305·8	26th	289·7	283·6	22nd	296·0	..	..	37	− 29
1168	Brisbane	27 28	153 2	41·7	..	1014·3	−3·2	300·3	305·6	25th	288·7	283·4	29th	294·5	+0·3	..	22	− 73
1169	Noumea	22 16	166 27	9	1009·2	1010·2	..	301·2	303·2	19th	294·8	293·0	25th	298·0	+0·7	..	124	− 15
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	102	+ 3
		S.	E.															

APRIL—ZONE 12.

Between Latitude 30° S. and 40° S.

1219		S.	W.															
1220	Juan Fernandez	33 37	78 50	10	1019·1	1020·3	+1·7	292·6	297·0	11th	..	..	..	290·2	−0·1	..	114	+ 40
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1010·7	1015·5	+0·4	291·8	298·0	6th	284·0	281·2	18th	287·9	−2·1	*287·2*	9	+ 4
1222	Santiago	33 27	70 42	520	955·5	1016·2	+0·6	295·5	304·2	7th	279·3	274·1	6th	287·4	−0·7	286·3	26	+ 11
1223	Cordoba	31 25	64 12	439	963·8	1014·7	−1·7	..	..	..	..	..	..	290·8	−0·2	..	0	− 36
1224	Buenos Ayres	34 16	64 11	25·2	1011·1	1014·1	−2·3	..	..	..	..	..	..	288·8	−0·9	..	166	+ 95
1225																		
1226	Montevideo	34 52	W56 12	29·3	1011·4	1014·8	−1·1	294·5	304·1	10th	283·3	276·8	19th	288·9	−1·0	289·2	196	+130
1239	Cape Town	33 56	E18 29	9	..	1017·4	+1·1	296·1	307·7	4th	286·2	282·3	24th	291·1	+0·8	*289·2*	45	− 5
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	18	..
1241	Heidelberg	34 5	20 58	1541	852·9	..	+1·6	295·2	300·9	..	280·7	273·6	..	287·9	−0·5	..	53	+ 12
1242	East London	33 2	27 55	10·1	1017·4	1018·6	+2·0	295·2	299·1	16th	287·8	284·1	27th, 29th	291·5	−0·4	..	75	+ 16
1259	Perth (Observatory)	31 57	115 51	60·0	..	1017·0	−1·4	297·2	304·7	15th	286·4	283·4	30th	291·8	−0·3	..	86	+ 45
1260	Katanning	33 42	117 35	309·7	..	1016·1	−2·3	296·5	303·6	19th	282·2	276·6	10th	289·3	+0·2	..	34	+ 12
1261	Coolgardie	30 57	121 10	423·3	..	1016·3	−1·8	299·6	309·7	2nd	284·3	280·2	10th, 14th	291·9	+0·4	..	1	− 16
1262	Eucla	31 45	128 58	4·6	..	1016·7	−2·1	298·7	309·4	1st	285·3	279·6	2nd	292·0	+0·1	..	1	− 30
1263	Streaky Bay	32 48	134 13	13·1	..	1018·0	−1·4	296·4	304·7	1st, 2nd	284·7	280·2	20th	290·6	−0·2	..	1	− 29
1264	Adelaide	34 56	138 35	42·7	..	1017·9	−1·9	295·2	303·5	3rd	284·4	278·6	20th	289·8	−0·9	*289·5*	8	− 39
1265	Melbourne	37 49	144 57	35·1	..	1019·4	0·0	291·7	301·2	4th	282·4	274·9	29th	287·1	−1·3	*286·8*	29	− 31
1266	Bourke	30 13	145 58	110·1	..	1017·0	−2·1	300·1	306·2	11th	283·4	277·2	27th, 28th	291·8	−1·7	..	0	− 33
1267	Sydney	33 51	151 13	44·5	..	1015·2	−3·1	294·3	303·6	9th	286·1	280·7	28th	290·2	−0·9	..	90	− 44
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	187	+ 32
1271	Auckland	36 50	174 50	38·1	..	..	..	294·7	296·9	7th	288·5	284·7	30th	291·6	+2·3	..	189	+112
1272																		
		S.	E.															

APRIL—ZONE 13.

Between Latitude 40° S. and 50° S.

1301		S.	W.															
1302	Chatham Island	43 52	176 42	58	..	..	..	290·3	293·0	6th	284·4	277·4	19th	287·4	+2·6	..	123	+ 58
1321																		
1322	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	280·9	278·0	4th	..	..	*283·7*	164	− 30
1323	Punta Galera	40 1	73 44	40	1010·2	1015·1	−0·3	286·5	287·6	8th	281·4	278·4	5th	284·0	−0·9	*284·2*	202	− 34
1324	Bahia Blanca	38 45	W62 12	20	1009·5	1011·9	−0·7	..	..	..	..	..	..	288·9	−0·1	..	49	+ 3
1365																		
1366	Hobart	42 53	E147 22	48·8	..	1010·2	−3·8	289·4	298·1	4th	281·4	276·3	30th	285·4	−0·4	*284·6*	64	+ 18
1369	Launceston	41 27	147 10	9·4	..	1012·5	..	289·7	293·3	16th	280·5	274·9	23rd	285·1	−0·9	..	59	+ 8
1370																		
1371	Dunedin	45 52	170 31	90	..	1010·3	−5·6	288·8	295·2	11th	281·4	278·0	18th	285·1	+1·1	..	108	+ 46
1372	Christchurch	43 32	172 38	7·6	..	1012·5	−5·1	291·8	299·1	8th	282·7	275·4	30th	287·3	+2·2	..	46	− 3
	Wellington	41 16	174 46	33·5	..	1013·5	−3·7	291·8	296·2	23rd	286·9	280·2	19th	289·3	+2·6	..	64	− 38
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

APRIL—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	992·2	998·9	+1·8	287·6	288·8	19th, 29th	276·8	274·6	11th	282·2	+1·7	*280·3*	238	−43
1422	Puerto de Punta Arenas	53 10	70 54	4	999·4	999·9	+1·3	281·9	285·4	6th	276·7	273·4	18th	279·3	−0·7	279·2	94	+58
1423	Punta Dungeness	52 24	68 25	5	999·1	999·7	−1·7	282·9	287·4	1st	..	..	..	280·9	−0·1	*280·8*	28	+ 4
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1002·1	−0·5	281·3	285·2	10th	276·8	272·4	25th	279·1	−0·3	279·2	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1430		S.	W.															

APRIL—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	6·9	998·8	999·7	+9·2	270·6	276·4	..	264·3	256·5	..	267·5	−2·3	267·6	61	+3
1528																		

APRIL—ZONE 16. Between Latitude 70° S. and 80° S.

1605	Framheim	78 38 S.	163 37 W.	11·1	984·7	986·3	..	..	262·0	10th	..	225·0	27th	245·7	..	..	..	..
1669																		
1670	Cape Evans(McMurdo Sound)	77 38	166 24	18	..	992·7	−2·1	..	263·3	..	..	244·6	..	..	+4·3	254·6	..	..
1671	Cape Adare	71 18 ° ′	170 9 ° ′	.. metres.	.. mb.	990·5 mb.	.. mb.	.. a.	267·4 a.	..	.. a.	250·8 a.	..	.. a.	.. a.	260·0 a.	.. mm.	.. mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—APRIL 1911.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	m/s.
1	ESE	4·3	E 4	E 4	Calm 0	W 3	E 3	E 2	Calm 0	E 2	E 2	NE	1·3
2	ESE	5·2	SE 4	E 2	N 5	W 3	Var. 1–2	E 1	Calm 0	E 3	E 3	N	2·0
3	SE by S	5·8	SE 2	E 4	W 3	W 3	SE 3	E 2	SE 3	E 3	E 3	N	1·9
4	SE by S	6·5	E 4	E 4	W 5	W 3	N 1	N 1	Calm 0	E 2	E 4	N	1·7
5	SE by S	7·0	E 4	E 4	Calm 0	W 5	E 3	E 3	ESE 3	E 2	E 2	NE	2·5
6	SE	4·8	E 4	E 4	N 3	W 3	SE 3	E 4	ESE 3	E 1	E 2	NE	2·1
7	SE by S	5·0	E 4	E 4	N 3	W 3	E 3	E 4	SE 3	E 1	E 3	E	2·5
8	SSE	6·2	E 4	E 4	Calm 0	W 3	SE 3	E 1	Calm 0	E 2	E 4	NE	2·7
9	ESE	8·5	NE 4	SE 4	Calm 0	W 3	SE 3	E 1	SE 4	SE 3	SE 3	NE	2·5
10	SE by S	8·3	NE 5	E 4	W 3	W 3	E 4	E 3	SE 2	SE 4	SE 4	NE	2·3
11	SE by S	4·9	NE 4	E 5	W 3	W 5	E 4	E 4	Calm 0	SE 4	SE 2	Calm	6·0
12	SSE	3·3	E 4	NE 4	Calm 0	W 3	E 4	E 1	SE 2	SW 6	SW 2	NE	8·0
13	SE by S	4·2	E 4	SE 4	Calm 0	W 3	E 3	E 1	Calm 0	SW 3	SW 3	Calm	1·9
14	SE by S	4·6	E 2	SE 4	Calm 0	W 3	E 2	E 1	Calm 0	SW 2	SW 3	Calm	6·4
15	SE by S	5·7	SE 4	SE 4	Calm 0	W 3	E 1	E 3	Calm 0	SW 2	SW 4	Calm	1·6
16	SE by S	8·5	SE 4	Calm 0	W 3	W 3	NE 2	E 2	SE 3	SE 3	SE 2	N	7·4
17	SE by S	10·0	SE 4	SE 2	SW 3	W 5	E 2	E 1	SE 2	SE 1	SE 2	NW	2·2
18	SSE	11·7	SE 4	SE 4	Calm 0	W 3	SE 3	E 3	SE 3	SE 1	SE 2	NE	1·6
19	SE by S	10·5	SE 4	SE 4	W 3	Calm 0	SE 3	E 2	Calm 0	SE 2	SE 3	N	2·6
20	SE by S	8·1	SE 4	SW 2	W 3	W 5	SE 3	E 1	Calm 0	E 1	E 3	N	2·4
21	SE	7·0	SE 4	Calm 0	Calm 0	W 5	E 2	Calm 0	Calm 0	E 1	E 3	N	0·9
22	SSE	7·8	SE 2	Calm 0	Calm 0	W 3	E 2	E 1	SE 2	E 1	E 1	NW	4·4
23	SSE	7·8	SE 2	Calm 0	Calm 0	W 5	NE 1	NE 1	SE 3	E 1	E 1	NW	1·1
24	SSE	7·9	SE 2	Calm 0	Calm 0	Calm 0	NE 1	N 1	SE 3	E 1	SE 3	NW	2·1
25	SE by S	10·1	E 2	SW 2	Calm 0	W 5	NE 2	NE 2	SE 3	E 2	SE 3	Calm	1·5
26	SE by S	11·4	E 4	E 2	W 3	W 3	E 2	E 2	Calm 0	E 3	SE 4	SE	1·9
27	SE by S	8·7	SE 4	E 5	N 3	Calm 0	E 3	E 3	E 4	E 1	SE 3	NE	2·6
28	SE by E	7·0	SE 5	E 5	Calm 0	W 5	E 4	NE 2	E 2	E 3	SW 4	NE	3·0
29	SSE	..	E 4	E 4	W 3	Calm 0	NE 3	NE 2	E 2	E 4	SW 4	NE	1·7
30	SE by E	..	E 2	Calm 0	W 3	W 3	NE 2	E 2	ESE 5	E 4	SW 4	W	4·2
Mean for Month	..	7·2	3·6	3·0	1·6	3·1	2·6	1·9	1·7	2·3	2·8	..	2·8
Deviation from Normal	..	+0·5	..	..	..	..	−0·4		..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—APRIL 1911.

**Seas round Novaja Zemlja and Spitsbergen.*—" In the entrance to the White Sea there was still much screw ice on the 26th. On 29th Archangel was opened for navigation. In the Barents Sea the firm edge of the ice trended from Cape Sviatoj N.E. to near Kanin Nos, from there N. along long. 44°. Later the ice drifted somewhat W. owing to S.E. winds. Bear Is. was ice-free at first, surrounded by ice later."

**The Greenland Sea.*—" The ice boundary between lat. 70° and 79° was 80 miles E. of Jan Mayen, trending N. along long. 0°."

**Iceland.*—" The north coast was almost ice-free, until in the middle of the month a heavy snowstorm again pressed the ice against it. From the 20th to the 25th it also lay close to E. coast from Langenæs to Berufjord, owing to N.E. winds. Some floes were 13 metres thick. At the close was some scattering on the E., but the ice still lay from Cape North along the N. and E. coasts to Papey ; on the 28th the outer edge was in 65° 2′ N., 12° 0′ W. Off Angmagsalik the ' Storis ' lay firm."

The North Atlantic and Labrador.—" Few icebergs in North Atlantic, but rather much field ice. On the 27th, in 48° N., 60° W., there was field and pack ice as far as could be seen from the masthead to N.W. and W."

The Newfoundland Banks.—" During April the pack decreased, while icebergs grew more numerous and reached the steamer routes ; their limits were 40° N. and 41° 30′ W."

St. Lawrence Bay.—" The Bay was almost ice-free ; there was close-packed ice between Cape Ray and Cape Breton, and firm ice up to Montreal. On the 27th, navigation re-opened to Quebec. Northumberland Strait, the Gut of Canso and the vicinity of Flat Point were full of heavy open ice. At St. Paul I. there was heavy, close-packed ice inshore. On 22nd there was heavy close-packed ice in the St. Lawrence Gulf and River. Throughout there was close-packed ice in Belle Isle Strait ; during the end heavy pack and many icebergs at Flat Point and Point Amour.

**Davis Strait.*—" Throughout April scattered ' Storis ' lay along the coast from Cape Farewell to Julianehaab, and during the middle of the month it lay 60 miles S. of Cape Farewell. Outside Arsuk the sea was ice-free, while Coppermine Bay had scattered ' Storis ' and winter ice. At first the ' Storis ' was close inshore at Frederikshaab, later only strips of scattered ice were seen. At Fiskernæs the ice was further offshore, and after the 18th no ' Storis ' was observed during the rest of the summer. During April the ice left Disko Bay ; in its bights and fjords, however, it remained until May. The west ice disappeared from Egedesminde, but its edge lay at the end of the month about 40 miles off Holstensborg."

**Baffin Bay and Northward.*—" In Melville Bay the ice was firm. In North Star Bay the fjord ice was firm, also along the coast except at Capes Athol, Parry, and Alexander. From Cape Parry and far into the offing the sea was open. In the southern part of Smith Sound there was young ice along the open water, and in the northern part there was screw ice. The fjords of Ellesmere Land had firm ice."

**Behring Sea.*—" The first scattered ice was met about 60 miles S.W. of St. Matthew I., which is normal for April."

* *Isforholdene i de arktiske Have, 1911*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MAY 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MAY 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. MAY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1004·3	1005·1	..	..	..	..	..	..	..	268·6	..	*268·3*	1	..
124																		
125	Upernivik	72 47	W56 7	18·9	1003·6	1006·0	−10·4	272·4	277·8	30th	265·6	257·0	2nd, 3rd	269·0	−0·2	*268·5*	2	− 12
126																		
139	Spitsbergen	78 2	E 14 14	11·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1016·2	1016·8	+ 2·9	..	290·1	26th	272·7	263·9	3rd	..	−0·5	*275·2*	87	+ 51
142	Mehavn	71 1	27 47	6·4	1016·4	1016·9	..	..	287·6	26th	274·2	268·2	16th	..	..	*276·4*	46	+ 8
143	Vardö	70 22	31 8	10·0	1016·7	1017·5	+ 2·7	..	288·0	27th	273·6	268·4	16th	..	+1·6	*276·0*	18	− 16
144		N.	E.															

Between Latitude 70° N. and 60° N. MAY—ZONE 2.

209	Dawson	64 4	139 20	321	970·1	1008·5	− 1·7	286·6	291·9	25th, 29th	275·1	268·0	13th	280·8	−0·8	..	43	+ 17
210	Carcross	60 11	134 34	662	..	..	..	282·7	289·1	26th	272·3	266·3	12th	277·5	..	..	35	..
211																		
212	Fort Simpson	61 52	120 43	129	995·3	1011·1	..	288·5	308·0	..	274·7	267·7	..	281·6	..	*282·5*	93	..
213	Hay River	60 51	115 20	161	990·9	1010·4	..	285·7	298·0	29th	273·7	266·3	19th	279·7	..	..	30	..
214																		
225	Jacobshavn	69 13	51 2	12·6	1002·0	1003·6	−11·2	275·9	285·9	31st	269·5	264·6	5th	272·7	+0·5	272·6	10	− 4
226	Godthaab	64 11	51 44	9	999·2	1000·4	−11·9	..	..	..	268·1	265·0	20th	..	..	*272·4*	0	− 49
229	Angmagsalik	65 37	37 34	31·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
230																		
231	Stykkisholm	66 5	22 46	11·3	1002·0	1003·4	−10·8	281·7	286·1	31st	276·0	271·5	3rd	278·9	+1·6	279·0	64	+ 28
232	Vestmanno	63 26	20 15	7·7	1003·5	1004·4	− 9·4	282·6	285·5	26th	277·0	273·4	4th	279·8	−0·3	*279·3*	240	+178
233	Grimsey (Akureyri)	66 33	17 58	6·8	1004·7	1005·5	− 9·7	279·1	287·5	31st	273·2	268·8	3rd	276·2	+1·4	*276·1*	1	− 20
234	Berufjord	64 40	14 19	18	1004·8	1007·0	− 7·7	281·5	287·3	22nd	274·8	271·0	2nd	278·2	+0·9	277·9	126	+ 60
235	Thorshavn	62 3	W 6 45	25·7	1009·4	1012·5	− 1·8	283·0	286·1	27th	278·2	274·6	1st	280·6	+0·6	..	92	+ 1
236																		
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1011·5	1016·8	+ 3·1	..	298·0	30th	281·4	274·9	1st	..	+2·4	*284·8*	59	− 57
238	Christiansund	63 7	7 45	17·8	1014·8	1016·0	+ 2·3	..	294·2	25th	280·1	276·2	10th	..	+2·3	*283·1*	14	− 48
239	Trondhjem	63 26	10 25	39·5	1013·4	1017·6	+ 4·1	..	296·9	25th	279·1	273·4	2nd	..	+3·0	*283·7*	4	− 47
240	Bodö	67 17	14 24	20·5	1016·3	1018·5	+ 5·2	..	290·8	26th	277·2	273·4	21st	..	+1·3	*280·1*	17	− 40
241	Haparanda	65 50	24 9	9·2	1019·4	1020·5	+ 6·6	283·4	293·0	26th, 27th	273·3	268·0	17th	278·4	+1·3	*278·7*	8	− 20
242	Helsingfors	60 10	24 57	11·7	..	1019·4	+ 5·5	..	295	..	..	273	..	283·6	+2·6	*283·2*	38	− 7
242a	Kuopio	62 54	27 40	99·7	..	1021·4	+ 6·3	..	298	..	..	271	..	282·3	+1·5	*281·8*	19	..
243	Kola	68 53	33 1	6·7	1018·6	1019·5	+ 5·3	..	296·0	27th	273·3	266·7	16th	278·3	+1·0	*278·0*	11	− 4
244	Petrozavodsk	61 47	34 23	38·9	1015·0	1019·8	+ 5·2	..	300·2	29th	276·0	268·4	17th	281·3	+0·9	*280·8*	..	..
245	Arkhangelsk	64 33	40 32	6·7	..	1019·6	+ 5·7	..	298	..	..	267	..	277·7	−0·8	*277·2*	10	− 15
246	Velsk	61 5	42 7	? 87	1007·8	1018·5	..	..	299·0	29th	274·9	268·7	18th	281·5	..	*281·0*	21	..
247	Oust-Taylma	65 27	52 10	? 25	..	1015·9	+ 3·2	..	294	..	..	261	..	274·8	−1·8	*274·3*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	999·6	1014·9	..	..	298·6	29th	271·5	262·7	4th, 7th	277·6	..	*277·1*	42	..
249																		
250	Berezov	63 56	65 4	39·9	1007·0	1012·0	− 3·0	..	295·6	30th	271·5	262·5	4th	275·9	+0·6	*275·4*	63	+ 37
251	Obdorsk	66 31	66 35	24·2	1009·4	1012·5	− 0·6	..	280·8	28th	268·3	257·6	6th	272·2	+0·5	*271·7*	13	− 11
252	Sourgout	61 15	73 24	40	1004·0	1009·0	− 2·9	..	294·1	30th	271·9	257·1	8th	276·6	−1·1	*276·0*	39	0
253																		
254	Touroukhansk	65 55	87 38	? 40	..	..	..	..	287·5	27th	269·4	250·9	6th	274·2	+3·3	*273·7*	31	+ 9
	Doudinka	69 7	87 0	? 20	1005·5	1008·0	..	..	278·0	26th	..	..	..	269·1	..	*268·7*	21	..
261	Olekminsk	60 22	120 26	? 202	..	..	..	..	298·0	30th	..	..	..	280·3	+1·6	*279·8*	26	..
262	Iakoutsk	62 1	129 43	? 108	..	..	..	..	298·9	31st	..	..	..	277·8	−0·6	*277·4*	12	+ 1
263	Verkhoïansk	67 33	133 24	? 100	992·6	1005·1	− 3·3	..	291·2	31st	264·0	247·3	10th	272·9	−2·4	*272·5*	..	..
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	293·6	31st	270·9	261·2	3rd	277·0	..	*276·5*	7	..
271	Markovo sur Anadyr	64 45	170 50	? 20	1004·7	1007·2	..	..	279·4	30th	263·5	247·5	2nd	270·2	..	..	6	..
272	Novo-Mariinskii Post	64 45	177 33	? 3	..	..	..	..	..	..	..	..	..	..	..	..	11	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MAY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
307																		
308																		
309		N.	W.															
310	Prince Rupert	54 18	130 18	52	1007·8	1014·1	..	285·1	292·4	..	276·4	272·4	..	280·8	..	..	110	..
311	Barkerville	53 2	121 35	1274	..	1012·2	..	284·4	290·8	30th, 31st	272·2	267·4	7th	278·3	−1·4	*278·4*	47	−16
312	Kamloops	50 41	120 29	379	..	1011·3	−2·2	291·6	304·4	31st	278·4	274·6	9th	285·0	−2·6	*285·0*	30	+ 4
313	Calgary	51 2	114 2	1033	..	1010·6	−1·2	287·7	301·3	5th	275·3	269·7	1st, 2nd	281·5	−0·8	*281·8*	128	+65
314	Fort Chipewyan	58 42	111 10	218	984·2	1010·7	..	286·9	295·8	15th	274·7	266·9	25th	280·8	..	*281·7*	? 7	..
315	Prince Albert	53 10	106 0	436	959·5	1011·5	−0·7	289·3	300·8	31st	272·7	261·9	2nd	281·0	−2·2	*281·5*	87	+26
316	Qu'Appelle	50 30	103 47	645	935·4	1011·7	−1·1	288·8	303·6	..	270·4	266·3	..	279·6	−3·7	*279·8*	85	+27
317	Minnedosa	50 15	99 50	515	951·0	1011·6	..	290·9	302·7	..	276·4	262·5	..	283·7	+0·9	*283·6*	73	..
318	Berens River	52 18	97 23	216	..	..	..	287·0	300·2	..	276·2	265·2	..	281·6	..	*281·3*	90	..
318*a*	Fort Churchill	58 51	94 11	9	?	?	?	282·7	294·7	..	269·2	258·6	..	275·9	+3·4	..	?	..
319	Fort Hope	51 32	87 48	..	983·0	..	..	287·7	301·3	18th	275·1	263·6	3rd	281·4	..	..	60	..
320	Moose Factory	51 16	80 56	9	1014·1	1015·2	..	287·2	305·2	20th	274·2	264·7	3rd	280·7	..	..	42	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	1007·2	1009·1	−3·9	275·7	286·1	..	269·0	263·5	..	272·4	+0·5	..	..	..
324	Nain	56 33	61 41	4·2	1012·2	1012·7	−0·4	277·7	287·1	..	269·5	266·3	..	273·6	−0·7	..	..	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	282·4	23rd	..	271·9	3rd	275·3	−1·4	..	13	−52
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1014·1	1015·7	−0·8	288·3	294·7	29th	281·8	278·6	16th	285·1	+0·9	285·1	82	+ 7
335	Aberdeen	57 10	2 6	27·4	1012·8	1016·0	+0·6	286·3	292·4	23rd	280·1	275·8	1st	283·2	+1·7	283·2	69	+15
336	Greenwich	51 28	W 0 0	48·5	1010·3	1016·1	+0·3	293·1	300·8	31st	280·9	274·7	22nd	287·0	+1·7	286·4	48	− 1
337	Uccle	50 48	E 4 22	100	1002·8	1014·8	−0·5	292·9	299·3	31st	281·9	276·1	7th	287·4	+1·6	287·1	63	+ 1
338	De Bilt	52 6	5 11	3·0	1015·2	1015·6	+1·6	292·1	298·9	30th	281·7	273·5	5th	286·9	+2	287·0	24	−26
338*a*	Hamburg	53 33	9 59	26·0	1013·2	1016·3	+1·5	292·6	298·6	28th	282·8	276·4	2nd	287·7	+1·1	287·4	41	−10
339	Copenhagen	55 41	12 36	5·0	1017·2	1017·8	+3·0	288·9	296·4	29th	282·0	278·0	1st	285·5	+2·2	*285·7*	33	6
340	Potsdam	52 23	13 4	84·9	1005·4	1015·6	+0·8	294·0	300·5	14th	281·4	274·1	21st	287·7	+1·1	287·0	36	−24
340*a*	Upsala	59 51	17 38	24·0	1016·8	1019·7	+6·1	290·4	301·8	29th	276·3	270·6	22nd	283·4	+2·2	283·9	5	−39
341	Warsaw	52 15	21 1	127	999·8	1015·0	+0·8	292·9	299·4	15th	282·9	274·5	22nd	287·9	+0·4	*288·0*	80	+32
342	Jurjev	58 23	26 43	74·5	1010·0	1019·0	+5·0	290·1	298·6	..	278·5	270·8	..	284·3	+0·3	284·9	42	− 8
343	Petrograd	59 56	30 16	4·8	..	1019·5	+5·2	..	297	..	..	271	..	283·7	+1·7	*283·4*	45	0
344	Kiev	50 27	30 30	182·9	..	1014·8	+0·6	..	300	..	..	276	..	289·6	+2·4	*289·1*	68	+23
344*a*	Moscow	55 45	37 34	156	998·7	1017·5	+2·5	292·0	299·9	25th	279·7	270·6	18th	285·9	−0·3	286·1	35	−13
345	Saratov	51 32	46 3	59·9	..	1015·0	+1·8	..	302	..	..	274	..	290·8	+2·5	*290·2*	15	−15
346	Kazan	55 47	49 8	79·8	1005·8	1015·4	0·0	..	304·3	24th	..	271·6	18th	286·2	+1·0	*285·9*	29	−11
347	Orenburg	51 45	55 6	114·1	..	1015·8	−0·9	..	303	..	..	270	..	288·1	+0·4	*287·5*	7	−18
348	Perm	58 1	56 15	163·0	..	1014·2	−0·8	..	299	..	..	267	..	280·8	−2·6	*280·2*	43	− 7
349	Ekaterinburg	56 50	60 38	288·9	..	1013·8	−1·6	..	299	..	..	265	..	280·8	−2·3	*280·2*	38	− 2
350	Tobolsk	58 12	68 14	108·3	999·8	1013·1	..	..	299·1	30th, 31st	274·2	263·9	7th	280·0	−2·6	*279·4*	21	−15
351	Akmolinsk	51 12	71 23	? 347	973·4	1014·7	−1·5	..	302·1	24th	276·1	262·8	9th	284·3	−2·3	*283·7*	30	+11
352	Omsk	54 58	73 23	87·3	1002·3	1013·0	−2·4	..	299·2	17th	274·5	260·1	8th	281·7	−3·3	*281·1*	30	0
353	Barnaoul	53 20	83 47	157·7	995·0	1014·1	−1·8	..	301·0	18th	274·8	263·2	10th	283·1	−1·1	*282·5*	28	− 3
354	Tomsk	56 30	84 58	121·6	996·8	1011·8	−3·0	..	302·0	18th	274·1	265·6	8th	279·9	−1·2	*279·3*	46	+ 5
355	Minousinsk	53 43	91 41	? 255	983·2	1013·8	..	..	300·8	18th	276·0	265·1	1st	283·5	..	*282·9*	35	+ 3
356	Eniseisk	58 27	92 11	84·4	1001·0	1011·4	−2·6	..	291·9	26th	273·9	265·1	1st	279·6	−0·5	*279·0*	24	− 8
357	Irkutsk	52 16	104 19	467·0	957·9	1014·7	+0·4	..	297·2	7th, 22nd	273·0	265·9	3rd	280·6	−1·7	*280·1*	39	− 4
358	Kirensk	57 47	108 7	? 263	980·3	1012·1	..	..	296·8	22nd	272·9	267·7	1st	280·0	..	*279·5*	34	..
359	Tchita	52 2	113 30	673·8	930·6	1009·7	..	..	299·5	8th	272·3	266·7	2nd	281·0	..	..	25	− 8
360	Blagoveshchensk Priisk	58 10	114 17	? 490	952·8	1011·8	..	..	291·1	29th	271·1	263·3	1st	277·3	..	*276·8*	35	− 1
360*a*	Nertchinsk	51 59	116 35	484·3	950·8	1008·0	..	..	300·1	8th	273·9	266·9	4th	282·8	−2·4	*282·4*	27	
361	Tygan Ourkan	54 5	124 46	? 370	964·0	1008·3	..	..	297·7	30th	271·5	262·8	3rd	280·6	..	*280·2*	30	..
362	Blagoveshchensk	50 15	127 38	? 160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	..	..	..	..	..	..	..	..	..	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1005·0	1007·6	−3·0	..	287·4	31st	272·5	264·2	4th	277·5	+0·3	*277·1*	45	+11
366	Okhotsk	59 21	143 17	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk Phare	52 53	158 47	87·1	996·7	1007·6	−2·2	..	284·2	29th	271·7	262·9	11th	274·3	−3·4	..	36	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

MAY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1014·8	−1·1	288·7	295·4	31st	279·8	276·1	11th	284·3	−0·7	284·0	46	+ 11
412	Portland, Oregon	45 32	122 41	46·6	1010·9	1016·2	−0·7	289·8	301·9	30th	282·0	276·9	24th	285·4	−1·4	*285·1*	100	+ 40
413	Macleod	49 44	113 24	954	..	..	..	287·1	304·1	6th	276·2	270·8	1st	281·6	−2·0	*281·8*	47	+ 1
414	Helena	46 34	112 4	1253	870·7	1012·5	−1·0	289·0	302·4	5th	276·5	271·9	1st	282·8	−1·1	*283·0*	53	+ 3
414*a*	Salt Lake City	40 46	111 54	1331	863·6	1009·8	−1·4	293·2	302·4	30th	280·9	273·0	10th	287·0	−0·6	*287·4*	47	− 3
415	Cheyenne	41 8	104 48	1856	811·2	1010·8	0·0	291·8	299·1	25th	276·6	269·1	1st	284·2	+0·7	*284·4*	8	− 53
416	North Platte	41 8	100 45	860	915·3	1013·5	+1·7	295·5	308·0	24th	281·1	268·0	1st	288·3	+0·3	*288·4*	44	− 34
416*a*	Bismarck	46 47	100 38	510·2	952·8	1012·8	−0·3	294·7	306·3	17th	278·8	265·2	1st	286·8	+0·9	*287·0*	30	− 33
417	Winnipeg	49 53	97 7	231·6	..	1012·6	−1·6	292·9	303·0	17th	278·8	265·9	2nd	285·8	+2·2	*285·3*	162	+111
418	Duluth	46 47	92 6	345·3	973·0	1014·2	−0·3	289·4	300·2	18th	278·1	268·6	2nd	283·8	+1·6	*283·8*	88	0
419	Port Arthur	48 27	89 12	196·3	..	1014·8	−2·1	289·6	299·7	28th	277·3	266·9	3rd	283·4	+2·7	*283·2*	60	+ 5
420	Chicago	41 53	87 37	250·9	987·1	1016·6	+2·0	296·6	307·4	26th	287·1	273·6	2nd	291·8	+5·2	*291·7*	86	0
421	Toronto	43 40	79 24	106·7	..	1016·5	+1·6	296·1	305·7	28th	282·4	271·1	3rd	289·2	+4·2	288·7	51	− 21
422	New York	40 43	74 0	96	1005·8	1017·3	+1·7	295·4	301·9	22nd	285·7	275·2	3rd	290·6	+1·8	290·8	23	− 58
423	St. John, N.B.	45 17	66 4	21·3	..	1016·2	+2·7	287·9	295·2	22nd	279·1	272·4	4th	283·5	+1·3	*283·1*	9	− 90
424	S. W. Point, Anticosti	49 24	63 35	9	1011·8	1012·9	−0·6	281·6	291·6	..	273·8	269·1	..	277·7	..	..	34	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1017·4	1018·3	..	283·0	288·0	..	277·4	274·7	..	280·2	..	..	35	− 59
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1012·4	−2·1	285·6	294·1	21st	275·0	271·3	29th	280·3	+1·3	..	73	− 8
435	Madrid	40 24	3 41	655·4	938·7	1014·4	−0·2	296·0	301·0	4th	280·4	274·7	1st	288·2	−1·3	287·5	34	− 10
436	Nantes	47 15	W 1 34	41·4	1010·4	1015·4	−0·6	293·0	299·8	25th	282·4	277·9	1st	287·7	+0·8	*287·6*	28	− 28
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1008·7	1014·6	−0·8	293·7	298·9	27th	281·9	275·5	5th	287·8	+1·4	287·4	46	+ 1
438	Marseilles	43 18	5 23	75·0	1002·5	1011·4	−2·0	295·3	299·6	25th	283·9	278·2	2nd	289·6	+0·3	*289·4*	40	0
438*a*	Zürich	47 23	8 33	493·2	956·3	1014·1	−2·0	..	296·2	29th	..	277·3	2nd	286·3	+0·4	286·2	68	− 46
439	Rome	41 54	12 29	63·4	..	1011·4	−2·9	294·5	299	15th	286·1	282	3rd	290·3	−0·4	*290·3*	106	+ 48
440	Vienna	48 15	16 22	202·5	988·5	1012·6	−1·3	290·6	296·2	18th	282·7	278·6	11th, 24th	286·7	−0·4	286·7	166	+ 94
440*a*	Buda-Pesth	47 30	19 2	129·6	996·7	1012·2	−2·1	294·1	302·0	16th	283·7	276·6	22nd	288·9	+0·9	*288·9*	149	+ 75
441	Bucharest	45 25	26 6	82	1001·8	1011·5	−1·4	297·1	305·6	17th	283·9	277·7	24th	290·5	+1·1	..	64	+ 1
442	Odessa (University)	46 29	30 46	65·3	1005·0	1012·8	−1·2	294·6	299·2	16th	285·5	281·6	22nd	290·1	+1·1	*289·2*	22	− 12
443	Kharkov (University)	50 0	36 14	140	..	1016·2	+1·5	..	301	..	..	275	..	289·9	+1·6	*289·4*	20	− 25
444	Novorossiisk	44 40	37 49	37	..	1011·9	−3·5	..	298	..	..	282	..	290·3	+0·4	*289·7*	44	− 1
444*a*	Tiflis	41 43	44 48	409	..	1013·1	−1·3	..	300	..	..	282	..	290·4	−0·5	*290·0*	57	− 18
445	Astrakhan	46 21	48 2	−14	..	1014·7	−0·1	..	301	..	..	276	..	291·2	−0·2	*290·7*	27	+ 12
446	Fort Alexandrovsk	44 31	50 16	24	1009·5	1012·3	−2·5	..	301·0	26th	285·2	277·3	10th	289·9	−1·1	*289·5*	6	− 8
447	Krasnovodsk	40 0	52 59	−15	..	1012·2	−2·9	..	307	..	..	282	..	293·9	−0·1	*293·4*	20	− 25
448	Tachkent	41 20	69 18	478·3	957·9	1012·6	−0·2	..	306·2	28th	286·3	273·4	9th	293·2	−0·8	*292·6*	89	+ 65
449	Irgiz	48 37	61 16	112	998·8	1012·2	..	..	302·2	24th	..	..	..	288·1	−2·4	*287·5*	23	+ 2
450	Narynskoe	41 26	76 2	?2015	..	..	..	..	297·4	26th	282·9	280·3	12th	289·0	+4·4	*288·4*	29	− 37
451	Vernyi	43 16	76 53	? 835	919·5	1014·9	+2·2	..	301·8	28th	..	..	..	289·4	+0·2	*288·8*	86	− 2
461	Mukden	41 48	123 23	43·8	1006·7	1011·9	+3·2	295·7	302·9	31st	281·9	273·4	5th	288·8	+0·3	..	39	− 18
462	Joshin	40 40	129 11	4·0	1011·5	1012·0	+2·6	292·0	303·1	9th	280·1	274·7	6th	286·1	+1·1	..	13	− 50
463	Vladivostok	43 7	131 54	15·7	1009·6	1011·5	−0·4	..	296·2	30th	279·1	273·2	1st	283·9	+0·6	*283·5*	19	− 14
464	Ochiai	47 20	142 44	15·0	1007·9	1019·7	..	287·6	296·1	12th	275·2	268·1	1st	281·4	..	281·0	33	..
465	Nemuro	43 20	145 35	26·7	1009·4	1012·6	+1·1	287·6	294·1	10th	277·3	271·6	1st	282·4	+2·6	281·9	24	− 68
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Between Latitude 40° N. and 30° N.

MAY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1010·4	1016·2	+0·7	289·6	302·4	20th	282·6	280·8	24th	286·1	+0·1	*285·6*	7	− 12
512	San Luis Obispo	35 18	120 39	61·3	1009·1	1016·6	+0·7	291·4	306·9	21st	281·0	278·0	27th	286·2	−0·5	*285·9*	2	− 6
513	Modena	37 48	113 54	1670	830·3	1009·8	0·0	293·4	299·1	22nd	274·9	268·6	11th	284·2	−1·3	*284·4*	2	− 21
514	San Diego	32 43	117 10	26·5	1011·1	1014·2	0·0	290·9	296·3	21st	285·4	282·4	16th	288·2	−0·8	*288·1*	0	− 9
515	Santa Fé	35 41	105 57	2138	780·7	1009·1	−0·3	293·7	298·6	30th	279·6	271·9	11th	286·7	−0·1	*286·8*	25	− 3
516	Denver	39 45	105 0	1613	835·0	1010·5	0·0	295·8	302·4	17th	280·2	273·6	1st	288·0	+1·3	*288·1*	13	− 51
517	Abilene	32 23	99 40	529·7	954·1	1014·2	+2·7	302·0	309·1	19th	289·3	279·1	1st	295·7	+0·5	*295·6*	2	− 93
518	Saint Louis	38 38	90 12	172·8	996·3	1016·6	+2·4	300·2	307·4	26th	289·5	276·9	2nd	294·8	+2·7	*294·7*	57	− 50
519	Mobile	30 41	88 2	17·4	1014·9	1016·9	+1·4	301·9	309·1	30th	292·1	286·3	7th	297·0	+0·9	*296·7*	129	+ 27
520	Nashville	36 10	86 47	166·4	998·9	1018·6	+3·4	301·6	308·6	28th	288·2	277·4	3rd	294·9	+1·4	*294·9*	42	− 46
521	Charleston	32 47	79 56	14·6	1016·3	1017·9	+1·7	299·0	306·9	26th	291·7	283·0	8th	295·3	−0·1	*295·0*	3	− 85
522	Washington	38 54	77 3	34·1	1013·2	1017·3	+1·4	301·2	308·6	19th	287·1	275·8	6th	294·1	+3·2	*294·0*	22	− 75
523	Bermuda	32 17	64 46	46·0	..	1020·2	+1·9	297·1	299·6	24th	290·5	287·7	2nd	293·8	+0·3	..	72	− 40
524	Horta	38 32	28 38	30	..	1023·4	+2·8	293·4	297	25th	289·1	285	14th	291·2	+1·3	..	52	− 7
531	Ponta Delgada	37 44	25 40	17	..	1023·4	+3·6	292·6	296	20th	288·2	285	15th	290·4	+0·8	..	15	− 36
532	Madeira (Funchal)	32 37	16 54	25	1018·6	1021·6	+3·4	292·4	293·5	14th	283·9	283·0	1, 10, 13	288·2	−1·1	..	0	− 22
533	Lisbon	38 43	9 9	95·4	1004·8	1016·2	+0·4	292·9	299·8	6th	285·9	283·6	27th	289·4	−0·4	*289·0*	24	− 27
534	Casablanca	33 37	7 35	17	1014·5	1016·5	..	294·0	295·8	..	284·9	281·2	..	290·2	−1·2	*289·8*	21	− 13
535	Gibraltar	36 6	5 21	16	1011·8	1013·7	−1·2	294·9	302·8	5th	..	..	..	290·2	−1·4	*290·0*	28	− 41
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MAY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1008·8	1013·4	−0·3	294·5	298·1	4th	287·7	283·8	2nd	291·1	−1·0	*290·4*	67	+ 27
538	Palma	39 33	2 42	23	..	1014·2	−0·4	294·4	301 ·	5th	287·1	285	sev. dates	290·8	+0·4	..	35	+ 6
538a	Tunis	36 48	10 10	43	1009·8	1014·9	+0·3	295·1	300·4	12th	286·0	280·8	3rd	290·6	−0·8	..	30	+ 1
539	Malta	35 54	14 31	59	..	1013·4	−2·0	292·8	296	16th, 28th	288·1	284	9th	290·4	−1·1	..	12	+ 1
540	Catania	37 30	15 3	64·9	1004·3	1012·0	−2·6	294·9	299·1	15th	287·0	283·6	5th	291·0	−0·4	..	24	+ 3
541	Athens	37 58	23 43	107·1	..	1011·4	−2·4	295·4	300	16, 17, 29	287·6	282	25th	291·5	−1·6	*291·4*	19	− 8
542	Alexandria	31 9	29 54	32·0	..	1012·8	−0·9	299·6	311	23rd	290·6	288	2nd, 5th	295·1	+0·3	*294·3*	0	− 26
543	Cairo (Helwan)	29 52	31 20	115·6	..	1011·9	−0·9	305·8	315	23rd	290·4	286	1st	298·1	0·0	298·0	0	− 7
544	Nicosia	35 12	33 24	152	..	1010·2	−2·1	299·9	305	24th	283·3	279	7th	291·6	−2·2	..	37	+ 31
544a	Beirut	33 54	35 28	52·4	..	1010·8	−1·5	297·5	305	16th	290·0	287	28th	293·8	−0·6	..	33	− 15
545	Baghdad	33 21	44 28	38·7	1005·0	1009·4	−0·1	306·8	311·2	18th	293·4	288·3	1st	300·1	+0·5	..	5	− 23
546	Lenkoran	38 46	48 52	−19	1015·4	1013·2	−1·8	..	299·4	22nd	286·9	283·4	11th	291·0	−1·2	*290·6*	15	− 12
547	Busrah	30 31	47 53	7·6	1007·9	1008·6	−1·8	306·9	312·8	18th	297·0	289·5	1st	302·0	+0·3	..	0	− 26
548	Meshed	36 16	59 35	946	904·3	1010·3	..	298·1	309·3	30th	285·1	278·3	10th	291·6	−1·9	..	61	+ 7
549	Quetta	30 11	67 3	1677	831·9	..	+0·7	302·7	308·9	31st	283·9	279·5	8th	293·3	+0·4	*293·4*	3	− 7
550																		
551	Lahore	31 34	74 20	214	978·1	1001·4	−0·8	314·7	319·9	27th	296·4	290·9	8th	305·6	+0·8	*305·4*	15	− 58
551a	Simla	31 7	77 8	2204·3	780·2	..	+0·3	296·8	300·5	31st	289·5	281·9	7th	293·2	+1·2	*293·3*	10	− 5
552	Leh	34 10	77 42	3566	668·1	..	+1·1	292·6	297·1	31st	276·1	272·4	9th	284·3	+1·1	*284·0*	1	− 33
552a	Dehra Dun	30 20	78 0	681	928·4	1001·5	−1·5	309·6	311·9	18th, 23rd	294·6	290·5	2nd, 3rd	302·1	+0·8	*301·4*	4	− 30
559	Hang Kow	30 35	114 17	37·0	1007·7	1012·0	+0·4	298·1	306·6	26th	290·0	283·2	6th	294·1	−1·1	..	146	+ 9
560	Tiensin	39 10	117 10	5·0	1011·9	1012·5	+2·9	298·6	305·7	28th	286·3	280·0	14th	292·5	−1·0	..	12	− 14
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1011·6	1012·4	+1·3	296·3	301·3	11th	287·0	279·6	7th	291·7	−0·6	290·7	105	+ 38
562	Chemulpo	37 29	126 32	67·6	1006·4	1014·5	+3·2	293·1	299·6	31st	284·4	279·7	7th	288·8	−0·4	288·2	51	+ 49
562a	Nagasaki	32 44	129 52	133·0	997·8	1013·5	+1·5	295·6	300·6	11th	286·9	283·0	16th	291·2	+0·1	291·0	167	+ 52
563	Kioto	35 1	135 46	49·4	1009·6	1015·5	+2·9	296·7	301·1	31st	281·9	275·1	2nd	289·3	−0·2	289·3	97	+ 51
564	Tokio	35 41	139 45	21·3	1012·8	1015·3	+3·1	294·2	299·6	13th	284·3	277·3	2nd	289·2	−0·4	289·2	101	+ 8
565	Miyako	39 38	141 59	30·4	1010·9	1014·5	+2·3	293·5	300·5	11th	279·8	271·8	6th	286·7	+0·8	286·1	4	− 144
566		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

MAY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1016·0	1017·3	+0·6	299·3	301·9	..	293·7	290·8	..	296·5	−0·6	..	67	+ 14
606																		
615	Zacatecas	22 47	102 35	2610	748·0	..	..	291·7	296·0	1st	281·5	277·0	5, 8, 23	286·6	..	..	35	..
616	Leon	21 7	101 41	1798·6	821·7	..	+0·1	301·7	305·7	2nd	286·9	283·5	8th	294·3	−1·5	..	115	+ 67
617	Galveston	29 18	94 50	16·5	1015·0	1016·9	+3·0	299·5	306·9	31st	294·4	286·3	2nd	297·0	−0·1	*296·8*	48	+ 34
618	New Orleans	29 58	90 4	15·5	1015·0	1016·6	+1·7	301·9	308·6	31st	292·8	286·9	3rd	297·3	+0·7	*297·1*	56	+ 47
619	Havana	23 8	82 22	24·3	..	1014·6	+0·2	..	303·4	22nd	..	292·1	12th	298·1	−0·9	*298·1*	151	+ 37
620	Key West	24 33	81 48	6·7	1013·9	1014·5	−0·3	301·3	303·0	20th	295·3	292·4	4th	298·3	−0·8	*298·2*	73	+ 12
621	Nassau, Bahamas	25 5	77 21	7·6	1013·2	1014·1	−1·7	299·9	303·0	31st	294·8	292·7	10th	297·2	−1·0	..	90	− 89
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	292·7	294·2	..	286·7	284·6	..	289·7	−1·8	..	9	− 3
634	Las Palmas, Canary Islands	28 7	W 15 26	7	1018·3	1019·1	−1·1	294·8	296·6	29th	289·5	288·4	29th	292·2	−0·5	..	0	− 7
637	Insalah	27 17	E 2 27	330	976·2	1013·5	−0·3	309·8	314·7	7th	292·8	285·6	1st	301·3	−1·2	*301·5*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1013·5	−0·3	312·8	319	15th	292·9	286	2nd	302·8	+0·9	*304·5*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1010·0	−0·7	313·6	319	15, 16, 20	293·6	287	3rd	303·6	−0·1	*304·4*	..	− 3
643	Suez	29 57	32 32	3·4	..	1012·3	+0·1	306·6	311	22nd	291·1	287	1st	298·8	+0·8	..	0	..
644	Aswan	24 2	32 53	99·6	..	1010·7	−0·5	313·2	319	16th	295·9	286	28th	304·6	+0·6	*306·3*	..	..
647	Bushire	28 59	50 53	4	1007·0	1007·6	+0·4	303·1	314·6	28th	296·6	290·2	4th	299·8	−1·1	..	0	0
648	Jask	25 44	57 47	4	1005·0	1005·5	−0·8	306·3	309·6	31st	297·6	294·3	23rd	301·9	−0·7	..	0	0
649	Kurrachee	24 53	66 57	4	1005·2	1005·7	+0·3	304·1	305·2	3rd, 22nd	298·8	297·4	6 dates	301·4	−0·4	*300·8*	0	− 4
650	Hyderabad, Sind	25 24	68 18	29	1000·1	1003·3	−0·4	314·9	319·7	18th	298·7	296·6	4th, 13th	306·8	+0·1	..	0	− 14
651	Jaipur	26 56	75 52	436	956·3	1003·0	−0·4	316·2	318·7	22nd, 26th	299·8	295·3	9th, 10th	308·1	+1·5	*307·7*	0	− 15
652	Nagpur	21 8	79 5	310	969·7	1002·9	−0·8	317·4	318·9	25th	302·3	299·3	21st	309·8	+1·5	*309·2*	3	− 7
653	Allahabad	25 25	81 51	91	991·4	1001·6	−1·5	316·4	319·2	18, 19, 20	299·8	296·1	1st, 10th	308·1	+1·1	*307·7*	0	− 67
654	Calcutta	22 36	88 23	6	1003·5	1004·1	−0·7	308·1	310·2	13th	299·1	295·5	9th	303·6	+0·6	*303·4*	79	− 30
655	Gauhati	26 8	91 41	59	1000·2	1006·9	..	302·7	306·8	1st	295·3	292·2	1st	299·0	..	..	263	+ 25
655a	Cherrapunji	25 15	91 42	1313	866·1	..	..	293·9	296·7	13th, 14th	288·2	283·6	9th	291·1	..	..	1975	+ 1158
656	Shillong	25 33	91 48	1500	846·7	..	..	295·4	298·5	14th, 15th	288·0	285·6	1st	291·7	..	..	313	+ 30
656a	Akyab	20 11	92 56	6	1007·0	1007·6	+0·1	304·8	306·3	14th	298·1	295·8	30th	301·4	−0·7	*301·7*	400	+ 104
657	Phu Lien	20 48	106 37	115·6	992·9	1006·2	−1·8	303·9	307·6	28th, 29th	297·0	294·9	4th	300·5	+1·4	299·7	233	+ 6
658	Moncay	21 31	107 51	10	1005·7	1006·8	−1·0	303·3	306·3	29th	296·4	293·4	5th	299·9	+0·3	*299·0*	670	+ 377
659																		
660	Hong Kong	22 18	114 10	33·2	1005·2	1008·9	−0·5	299·0	303·5	30th	295·7	293·1	16th	297·3	−0·7	297·2	562	+ 255
661	Taihoku, Formosa	25 2	121 31	9·3	1009·2	1010·3	−0·3	300·6	305·1	12th	293·5	290·4	16th	297·0	−0·2	296·4	230	+ 25
662	Naha	26 13	127 41	10·5	1009·6	1010·8	−0·4	300·1	302·3	29th	294·2	290·0	16th	297·1	+0·6	296·8	104	− 144
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MAY—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 14	100 7	1933	809·7	..	..	297·1	300·6	1st	285·5	284·0	19th	291·3	..	*291·3*	79	..
717	Salina Cruz	16 12	95 16	56·3	1005·3	1011·8	..	..	307·0	..	..	295·6	..	300·7	..	..	51	..
718	Mexico	19 26	99 8	2280	779·8	..	+0·3	296·9	300·7	1st	284·2	281·4	7th	290·6	−1·3	289·6	41	− 6
718a	Oaxaca	17 4	96 44	1563	846·1	..	..	300·5	305·5	20th	287·7	286·1	7th	294·1	..	*293·4*	43	..
719	Belize	17 29	88 12	2·1	1011·5	1011·7	−1·0	303·0	305·8	21st	299·1	294·1	15th	301·1	−0·8	*299·9*	670	+525
720	San Salvador	13 44	89 9	657	937·8	1011·2	+0·8	302·9	305·6	21st	292·4	290·5	28th	297·7	+0·3	..	121	− 49
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·2	−0·3	302·6	304·4	30th	294·6	292·9	15th	298·6	−0·7	*298·2*	123	− 26
722	Port au Prince	18 34	72 22	37·4	1009·1	1013·4	+2·0	304·4	306·4	..	294·3	292·2	..	299·4	−0·6	298·7	259	− 19
723	St. Croix (Christiansted)	17 45	64 42	6·6	1011·6	1012·5	..	302·6	304·2	..	297·3	?295·5	..	300·0	..	..	112	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	994·9	1012·8	+0·3	302·7	305·2	25th	296·6	295·2	sev. dates	299·7	+0·4	*299·3*	87	− 32
725	Barbados	13 8	59 36	55·2	..	1013·5	+1·8	302·9	304·1	..	297·2	293·8	..	300·1	+0·1	*300·0*	52	− 27
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1015·8	1017·1	+2·3	297·3	298·2	15th, 16th	292·9	285·7	21st	295·1	−0·5	..	0	− 1
732	San Tiago, C. Verde Is.	14 54	23 31	34	1014·0	1018·0	..	300·0	303·5	15th, 17th	294·1	293·0	3, 9, 20	297·0	+0·2	..	0	0
733	Bathurst	13 24	16 36	1·5	1012·2	1012·4	−0·2	300·2	305·8	18th	293·3	291·9	30th	296·8	−1·0	*296·9*	18	+ 18
734	M'Carthy Island	13 24	16 36	1·5	..	..	..	312·9	316·3	4th	294·9	294·1	1, 16, 30	303·9	−1·0	..	47	+ 37
735	Ségou	13 42	14 46	1·1	..	..	..	310·6	316·2	18th	297·8	293·6	27th	304·2	..	..	152	..
736	Timbouctoo	13 34	6 17	? 272	..	..	..	315·8	319·0	..	296·9	293·0	..	306·4	−1·3	*306·3*	21	..
737	Sokoto	13 2	E 5 14	354	..	..	..	309·3	313·6	2nd, 3rd	298·3	295·8	1, 22, 28	303·8	−1·4	..	45	+ 6
738	Kontagora	10 24	5 24	400	..	..	..	305·9	310·8	1st	294·7	292·4	17th, 20th	300·3	−1·6	..	123	+ 50
739	Maiduguri	11 48	13 12	370	..	..	..	313·2	316·9	3rd	297·9	294·1	24th	305·6	−0·5	..	18	− 6
740	Katagum	12 17	10 22	329	..	..	..	311·7	315·8	7th	296·9	291·3	1st	304·3	−1·0	..	38	+ 2
743	El Obeid	13 11	30 14	585	..	1010·2	−0·3	311·1	314·3	6th	293·6	288·2	6th	302·4	−1·0	*302·9*	34	+ 24
744	Khartoum	15 37	32 33	390	..	1009·0	+1·1	313·7	318·1	20th	297·2	293·2	1st, 2nd	305·5	−1·1	*306·0*	7	+ 5
746	Aden	12 45	45 3	28·7	1005·5	1008·7	−0·1	307·2	309·2	20th	300·3	298·2	18th	303·7	+0·1	*303·0*	0	− 3
751	Bombay	18 54	72 49	11·3	1007·6	1009·0	−0·1	305·9	307·4	30th, 31st	300·1	298·8	1, 2, 10	303·0	+0·2	*302·4*	1	− 17
752	Mysore	12 18	76 40	768	925·1	1008·5	−0·3	305·4	308·3	2nd	293·5	291·3	20th, 23rd	299·5	−0·7	299·4	285	+157
752a	Kodaikanal	10 13	77 28	2343	770·9	..	−0·3	294·2	297·7	16th	285·6	283·6	28th	289·9	+0·2	289·1	246	+ 98
753	Madras	13 4	80 14	6·7	1005·8	1006·6	−0·4	309·7	313·8	26th	300·8	298·6	30th	305·2	+0·2	304·0	0	− 27
754	Waltair	17 45	83 16	68·9	997·9	1005·6	−0·2	306·2	312·2	30th	300·1	296·6	26th	303·2	..	*302·6*	9	− 49
755	Port Blair	11 40	92 40	17·7	1006·9	1008·8	+0·2	303·8	305·9	8th	298·3	295·8	13th	301·1	−0·7	*300·5*	327	− 102
756	Rangoon	16 46	95 48	5·5	1008·0	1008·6	−0·2	305·8	309·7	5th	298·1	295·2	6th	302·0	−0·3	*300·7*	238	− 73
757	Saigon	10 46	106 42	11·2	1007·0	1008·3	+0·4	308·0	309·5	14th	296·6	295·0	16th	302·3	−0·1	..	211	− 15
758	Nhatrang	12 16	109 12	6·8	1007·0	1007·8	−0·1	306·6	308·8	29th	296·7	295·2	6th	301·7	−0·1	..	37	− 29
759	Bolinao	16 24	119 53	7·5	..	1008·3	−0·1	306·1	307·1	3, 14, 27	297·1	295·7	3rd	301·6	..	..	143	−112
760	Vigan	17 34	120 23	14·7	..	1008·4	−0·3	306·4	307·8	31st	297·1	295·0	8th	301·8	−0·4	301·3	51	−168
761	Manila	14 35	120 59	14·2	..	1008·7	0·0	306·6	308·0	25th	296·2	294·7	6th	301·4	−1·1	300·4	132	+ 19
762	Ormoc	11 0	124 36	5·6	..	1008·6	−0·2	303·7	305·2	24th	294·9	294·0	3rd	299·3	−0·9	298·8	90	+ 18
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	303·5	305·2	2nd	297·2	295·0	6, 7, 8	300·4	..	..	71	..
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

MAY—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	1011·4	1011·8	−0·2	302·4	305·2	19th	297·3	294·9	9th	299·9	−0·4	*299·2*	288	− 63
819	Culebra	9 10	79 40	123·1	..	1010·4	−0·1	303·0	306·3	7th	295·2	294·1	12th	299·1	−0·8	..	377	+ 90
822																		
823	El Peru, Guayanavieja	7 30	62 0	? 300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1012·8	1013·0	+0·4	302·6	303·7	15th	296·7	294·7	27th	299·6	+0·1	..	283	− 11
826	Paramaribo	5 49	55 9	4	1012·1	1012·6	..	302·7	304·8	21st	295·9	293·8	6th	299·3	..	*298·7*	284	− 14
826a	Cayenne	4 56	52 21	6	..	..	..	303·0	304·4	12th, 18th	296·2	294·6	10, 13, 30	299·6	−0·2	..	437	−113
833	Conakry	9 31	13 43	16	..	..	..	303·5	306·9	..	296·5	?	..	300·0	−0·8	..	107	− 81
834	Sierra Leone	8 30	13 9	68·3	1002·5	1010·3	−1·2	304·5	306·8	21st	296·4	293·4	31st	300·5	+1·1	..	102	−199
835	Cape Coast Castie	5 5	1 13	..	..	..	..	302·4	305·2	9th	295·3	291·9	9th	298·8	−1·3	..	126	− 64
836	Accra	5 35	W 0 6	18	..	..	..	303·0	305·2	12th	296·2	293·0	24th	299·6	−0·1	..	158	+ 11
837	Lagos	6 22	E 3 28	7·6	1010·9	1011·8	+0·9	302·3	304·7	..	296·3	293·2	..	299·3	−1·0	..	536	+280
838	Zungeru	9 48	6 10	130	996·2	1011·0	−0·3	305·3	310·2	1st	295·5	291·1	19th	300·4	−1·5	..	179	+ 73
838a	Libreville	0 23	9 26	35	..	..	..	304·2	305·2	15th	295·8	293·8	7th	300·0	+0·4	..	93	−172
839	Yola	9 12	12 30	259	..	..	..	305·7	310·2	2nd, 6th	296·2	292·4	28th	300·9	−1·3	..	177	+ 52
841	Kafia Kingi	9 22	24 18	596	945·3	1011·2	..	..	..	..	..	..	..	297·2	..	..	108	..
842	Wau	7 42	28 3	1440	..	1009·4	..	305·8	310	8th	294·4	292	25th	300·1	..	..	231	+ 72
843	Entebbe	0 5	32 29	1177	883·2	..	−0·7	297·9	299·1	12th, 31st	289·9	288·1	17th	293·9	−0·5	*293·2*	276	+ 66
844	Nandi	0 2	35 5	2010	..	..	..	297·1	298·6	23rd	283·1	281·9	20th	290·1	−0·4	..	151	− 67
845																		
851	Cothin	10 0	76 21	2·7	1009·2	1009·6	+0·1	304·8	305·6	8 days	298·1	295·1	28th	301·4	−0·3	*300·8*	438	+148
852	Colombo Observatory	6 54	79 53	7·3	1007·4	1008·2	+0·3	305·2	306·8	1st, 15th	297·6	294·6	27th	301·4	0·0	*300·8*	254	−114
853	Candy	7 18	80 40	504·5	..	..	..	304·5	306·7	16, 17, 18	294·5	292·6	15th, 16th	299·5	+0·7	..	19	−124
855	Medan	3 35	98 41	23·5	..	1008·7	−0·9	305·2	306·8	30th	294·5	293·4	15th	299·9	..	..	73	−109
856																		
857	Penang	5 34	100 20	5·0	1006·8	1007·4	−2·2	305·2	306·9	3rd	296·7	294·7	1st	300·9	−0·1	..	166	−117
858	Singapore	1 17	103 51	3·0	1008·8	1009·1	+0·5	304·7	306·6	22nd	297·1	295·8	27th	300·9	+0·3	..	271	+ 98
860	Sandakan	5 49	118 12	..	..	..	..	..	..	..	305·1	305·8	1, 14, 29	297·2	295·8	6th	301·2	+ 77
861	Tagbilaran	9 38	123 51	21·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
862	Surigao	9 48	125 29	6	..	1008·5	−0·3	304·7	306·0	9th	296·3	295·3	23rd	300·5	−0·1	300·1	105	− 11
863	Yap	9 29	138 8	31·9	..	..	..	304·1	305·3	25th, 26th	297·7	296·6	11th	300·9	..	..	242	..
869	Uyeiang	9 42	161 2	< 10	1009·5	1010·6	−0·9	..	..	..	..	..	..	..	..	..	189	+ 22
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

MAY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1009·7	1010·6	+1·5	305·8	306·9	18th, 19th	297·2	295·2	1, 12, 28	301·5	+0·2	..	33	− 58
906																		
923	Manaos	3 8	59 59	32·4	1004·5	1008·2	−0·3	..	..	..	..	..	..	299·9	−1·0	..	99	− 43
930	Fernando Noronha	3 51	W32 25	95	..	1012·4	+1·2	299·9	300·6	..	297·0	295·5	..	298·4	..	..	?120	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	304·8	307·0	11th	293·2	290·6	9th	299·0	−0·8	..	78	− 65
940	Loango	4 38	11 50	? 50	..	..	..	300·1	302·5	2nd	294·4	291·8	10th	297·3	..	..	9	..
943	Daressalam	6 49	39 18	7·6	1012·8	1013·6	−1·4	300·8	302·4	28th	294·3	291·6	24th	297·6	−0·6	297·1	211	+ 31
944	Nairobi	1 18	36 59	1660	..	..	..	295·4	298·6	22nd	285·6	283·6	24th	290·5	−0·2	..	108	− 20
944a	Zanzibar	6 10	39 11	21·9	1013·1	1015·7	−0·5	301·1	302·9	5th	297·8	296·0	17th	299·4	+0·3	*298·6*	445	+155
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	303·6	305·2	25th	295·9	289·1	27th	299·7	..	..	184	−443
947	Seychelles	4 37	55 27	4·6	1010·6	1011·1	−0·7	302·0	302·9	..	298·4	296·0	..	300·2	+0·1	..	106	− 53
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1009·7	−1·0	..	..	..	..	..	..	..	..	..	361	+ 44
957	Batavia	6 11	106 50	8	..	1009·5	0·0	303·4	305·4	1st	296·5	295·4	24th	299·4	+0·1	299·6	158	+ 62
958	Pontianak	0 1	109 20	2·6	..	1008·6	−0·4	..	..	..	..	..	..	..	..	..	230	+ 37
959	Passeroean	7 38	112 55	5·0	..	1009·9	0·0	303·8	304·5	..	295·9	293·5	..	299·9	..	..	100	+ 19
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	85	− 58
961	Koepang	10 10	123 34	3·3	..	1010·3	+0·3	..	..	..	..	..	..	..	..	..	13	− 19
962	Ambon	3 42	128 10	4·2	..	1008·4	−0·8	..	..	..	..	..	..	..	..	..	549	+ 30
965	Daru	9 4	143 13	8	1010·8	1011·7	+0·5	302·0	..	..	294·2	..	..	298·1	−1·3	..	167	−110
966	Port Moresby	9 29	147 9	39	1007·5	1011·9	+1·1	302·8	..	..	296·8	..	..	299·8	−0·3	..	32	− 58
967	Rakuranga	4 13	152 8	ca. 120	..	..	..	..	..	..	..	..	..	..	..	..	17	..
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	185	−151
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·5	1008·7	−0·6	304·3	305·2	7, 13, 19	297·2	295·8	3rd, 4th	300·8	+0·6	..	304	+110
970	Ocean Island	0 52	169 36	48·5	..	?1009·6	?+1·4	304·6	305·5	7th	298·3	297·4	3rd	301·4	+0·5	..	138	+ 39
		S.	E.															

MAY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1011·5	1015·7	−0·7	302·0	303·6	1, 15, 19	293·3	289·7	28th	297·7	+0·2	..	64	−162
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	1006·6	1012·0	+0·1	302·4	304·0	..	295·8	290·5	..	299·1	..	..	145	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	305·2	307·2	31st	285·0	283·3	22nd	295·1	+4·7	*290·2*	0	..
1022	Arequipa	16 22	71 33	2451	761·1	..	−0·2	293·0	298·0	28th	281·8	278·6	11th, 13th	287·4	+1·1	..	0	− 1
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	288·3	−0·4	..	4	− 4
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	296·4	−0·2	..	18	29
1026	Cuyaba	15 36	56 0	235	993·0	1020·1	−0·2	300·8	303·9	..	294·9	291·5	..	297·9	−0·1	..	40	− 14
1035	St. Helena	15 57	W 5 40	632	946·1	1019·1	−0·3	292·6	295·8	13th	286·9	285·8	17th	289·7	−0·6	*289·5*	115	+ 19
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	865·2	..	+2·9	293·9	299·2	..	282·1	277·4	..	288·0	−0·3	..	38	+ 53
1043	Salisbury, Rhodesia	17 49	31 3	1487	859·6	..	+0·9	294·0	298·8	..	282·9	277·2	..	288·4	−0·4	..	123	+112
1044	Zomba	15 23	35 18	899	909·3	1010·5	+1·5	295·7	298·6	22nd	286·6	281·9	31st	291·2	−0·4	*290·3*	114	+ 96
1045	Tamatave	18 9	49 26	4	1017·1	1017·5	−0·1	..	..	..	292·1	289·0	..	296·2	−0·4	..	392	+146
1046	Tananarivo	18 55	47 32	1400	866·2	..	0·0	295·0	298·8	7th	284·4	280·8	20th	289·7	−0·7	288·8	13	+ 2
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1012·8	+1·5	302·1	304·3	18th	298·1	296·1	4th	300·1	−0·2	..	172	− 17
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1007·3	1007·9	−0·6	303·7	305·4	..	296·7	295·0	..	300·2	−0·1	..	272	+ 11
1058																		
1061	Derby	17 18	123 40	16·2	..	1013·7	+0·5	304·8	307·6	20th	294·1	287·9	31st	299·4	+1·3	..	1	− 22
1062	Hall's Creek	18 13	127 46	373·4	..	1015·2	0·0	302·7	307·0	17th	287·2	277·6	31st	295·0	+0·5	..	1	− 11
1063	Port Darwin	12 28	130 51	29·6	..	1011·8	+1·0	304·3	306·3	18th	295·3	290·4	31st	299·8	−0·9	*298·6*	0	− 20
1064	Daly Waters	16 16	133 23	213	..	1013·7	..	302·4	305·2	17, 19, 26	287·7	280·2	31st	295·1	−1·7	*294·4*	0	− 4
1065	Mein	13 13	142 57	121·9	..	1011·5	..	302·3	303·6	9, 11, 27	292·2	288·1	22nd	297·3	..	..	0	− 10
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1014·2	..	302·3	304·8	26th	286·9	278·5	12th	294·6	..	..	0	− 11
1067	Samarai	10 37	150 40	6·4	1011·5	1012·2	+1·4	301·2	..	..	297·2	..	..	299·2	+0·1	..	268	− 62
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	303·1	305·2	14th, 15th	291·9	288·1	22nd	297·5	..	..	333	..
1071																		
1072	Suva, Fiji	18 8	178 26	14·8	..	1013·7	−0·7	301·2	305·2	3rd	294·7	289·1	14th	297·9	+0·1	..	264	+ 21
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

MAY—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	298·6	300·2	3rd, 16th	294·1	290·5	26th	296·3	..	..	144	− 19
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1015·0	1018·5	..	297·2	300·6	7th	290·0	285·9	30th	293·6	..	291·9	57	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1013·2	1016·2	−0·4	291·7	296·0	11th	284·6	281·8	7th	288·2	+1·7	*287·5*	24	− 11
1122	Puerto de Antofagasta	23 39	70 25	10	..	..	..	298·0	298·6	3rd	285·5	285·0	27th	291·8	+0·4	..	0	0
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	..	290·4	+1·3	*289·5*	49	− 19
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	34	− 60
1127	Curityba	25 26	49 16	908	915·4	1019·5	−0·6	293·2	298·7	..	282·3	275·3	..	287·8	+0·6	*287·5*	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1008·9	1016·5	−0·7	..	..	..	..	..	..	294·8	−0·4	..	49	− 43
1139	Windhuk	22 34	E17 5	1665·3	835·2	..	..	294·9	301·4	4th	282·2	273·4	19th	288·6	−1·2	288·4	0	− 5
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	287·4	294·5	4th	278·9	275·4	28th	283·2	−4·2	*282·8*	98	+ 79
1142	Kimberley	28 43	28 46	?1232	886·2	..	+0·1	291·2	..	..	279·1	..	..	285·2	−1·2	284·6	..	..
1142a	Pretoria	25 45	28 11	1338	..	..	..	292·5	299·6	2nd, 5th	278·3	271·9	31st	285·4	−4·4	..	55	+ 44
1143	Durban	29 51	31 0	79·9	..	1020·2	+1·0	297·7	307·9	4th	288·6	285·1	27th, 31st	293·2	−1·0	292·4	148	+117
1144	Lorenzo Marques	25 58	32 36	59	1008·7	1015·2	−1·2	298·4	300·0	5th	291·1	285·9	19th	294·7	−0·8	294·4	29	− 54
1147	Mauritius	20 6	57 33	54·3														
1148																		
1159	Onslow	21 43	114 57	4·3	..	1014·2	−0·5	301·3	305·2	1st	288·6	284·0	29th	294·9	−0·1	..	25	− 19
1160	Peak Hill	25 38	118 47	588·3	..	1015·9	−0·8	296·3	304·7	3rd, 4th	284·6	279·9	11th	290·4	−0·1	..	47	− 23
1161	Nullagine	21 53	120 5	385·6	..	1015·6	+0·1	301·2	307·8	4th	287·3	276·8	31st	294·3	+1·1	..	13	− 2
1162	Laverton	28 40	122 23	466·3	..	1019·4	+0·5	294·5	304·4	3rd	281·3	273·6	16th	287·9	−0·9	..	58	+ 25
1163	Alice Springs	23 38	133 37	587·0	..	1017·3	−1·0	296·9	304·9	1st	282·2	272·4	31st	289·6	+1·2	*289·5*	0	− 16
1164	William Creek	28 55	136 21	76·2	..	1019·8	..	294·9	307·0	6th	283·6	278·0	21st	289·3	..	*289·1*	19	+ 7
1165	Boulia	22 55	139 38	145·7	..	1016·0	..	299·7	305·2	4, 5, 17	284·8	277·2	31st	292·3	..	..	0	− 9
1166	Mitchell	26 32	147 52	337·1	..	1018·7	..	295·8	301·2	5th	278·1	269·9	31st	287·0	..	..	22	− 22
1167	Rockhampton	23 24	150 30	11·3	..	1018·1	..	299·4	303·0	20th	285·4	278·6	25th, 31st	292·4	..	..	14	− 28
1168	Brisbane	27 28	153 2	41·7	..	1018·9	−0·2	296·3	298·9	4th	285·0	278·2	31st	290·7	−0·3	..	23	− 56
1169	Noumea	22 16	166 27	9	1013·3	1014·3	..	299·3	301·8	24th	292·6	288·2	2nd	296·0	+0·7	..	93	− 22
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	217	+ 81
		S.	E.															

Between Latitude 30° S. and 40° S.

MAY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1018·6	1019·8	+1·2	289·9	294·2	2nd	..	..	..	289·1	+0·3	..	156	− 32
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1011·4	1016·2	+0·4	290·4	296·9	16th	284·3	280·8	29th	287·4	−0·7	*286·8*	49	− 40
1222	Santiago	33 27	70 42	520	956·6	1018·1	+1·8	289·9	297·5	16th	278·6	274·0	30th, 31st	284·3	−0·7	283·7	21	− 36
1223	Cordoba	31 25	64 12	439	965·4	1016·7	−0·4	..	..	..	..	..	..	288·2	+1·2	..	62	+ 43
1224	Buenos Ayres	34 16	64 11	25·2	1013·7	1016·7	+0·1	..	..	..	..	..	..	285·9	−0·4	..	155	+ 79
1225																		
1226	Montevideo	34 52	W56 12	29·3	1013·4	1016·9	−0·1	289·8	299·7	10th	281·4	274·0	29th	285·6	−0·8	286·4	127	+ 63
1239	Cape Town	33 56	E18 29	9	..	1018·6	+0·7	294·1	305·2	14th	283·9	278·3	27th	289·0	+1·2	*287·1*	132	+ 28
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	68	..
1241	Heidelberg	34 5	20 58	1541	852·4	..	−0·2	290·2	297·6	..	276·4	268·5	..	283·3	−1·4	..	93	+ 46
1242	East London	33 2	27 55	10·1	1015·0	1016·2	−1·7	294·1	301·9	26th	284·7	280·8	29th	289·4	−0·6	..	132	+ 90
1259																		
1260	Perth (Observatory)	31 57	115 51	60·0	..	1019·9	+1·4	291·9	296·6	12th	283·3	278·8	18th	287·6	−1·3	..	44	− 84
1261	Katanning	33 42	117 35	309·7	..	1018·9	+0·6	290·2	295·7	19th	280·3	274·3	18th	285·2	−0·6	..	24	− 31
1262	Coolgardie	30 57	121 10	423·3	..	1019·8	+0·4	292·5	299·7	3rd	280·3	276·0	7th	286·4	−0·8	..	51	+ 18
1263	Eucla	31 45	128 58	4·6	..	1019·4	+0·2	293·9	302·6	3rd	282·8	278·2	19th	288·3	−0·7	..	34	+ 3
1264	Streaky Bay	32 48	134 13	13·1	..	1020·3	−0·5	291·9	299·1	4th, 6th	283·4	277·6	31st	287·6	−0·1	..	97	+ 46
1265	Adelaide	34 56	138 35	42·7	..	1019·9	−0·2	291·8	302·9	6th	283·2	277·3	30th	287·4	+0·2	*287·2*	48	− 24
1266	Melbourne	37 49	144 57	35·1	..	1018·4	−1·1	289·2	298·1	6th	282·7	276·1	28th	285·9	+0·7	*285·6*	85	+ 31
1267	Bourke	30 13	145 58	110·1	..	1020·2	−0·7	294·7	305·7	6th	282·2	274·7	31st	288·5	−0·1	..	58	+ 31
1268	Sydney	33 51	151 13	44·5	..	1018·3	−0·4	292·1	296·4	5th	284·4	278·1	30th	288·2	+0·5	..	35	− 93
1271	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	176	+ 40
1272	Auckland	36 50	174 50	38·1	..	..	..	290·7	293·6	1st	283·9	278·0	21st	287·3	+0·5	..	139	+ 29
		S.	E.															

Between Latitude 40° S. and 50° S.

MAY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301																		
1302	Chatham Island	43 52	176 42	58	..	..	..	286·9	291·3	29th	280·9	274·1	16th	283·9	+0·6	..	108	+ 25
1321																		
1322	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	281·0	278·4	28th	283·7	+0·9	*283·6*	190	− 89
1323	Punta Galera	40 1	73 44	40	1009·5	1014·3	+0·2	287·3	290·0	21st	282·0	278·8	27th, 28th	284·7	+0·7	*284·6*	269	− 61
1324	Bahia Blanca	38 45	W62 12	20	1013·9	1016·3	+4·2	..	..	..	..	..	..	284·8	−0·1	..	72	+ 41
1365	Hobart	42 53	E147 22	48·8	..	1015·7	0·0	287·6	292·4	6th	280·7	274·7	29th	284·1	+0·8	*283·5*	104	+ 56
1366	Launceston	41 27	147 10	9·4	..	1016·3	..	288·7	292·0	6th	279·2	271·6	29th	283·9	+1·4	..	53	− 13
1369																		
1370	Dunedin	45 52	170 31	90	..	1019·0	+7·3	286·1	291·3	27th	277·7	274·7	sev. dates	281·9	+0·7	..	25	− 67
1371	Christchurch	43 32	172 38	7·6	..	1021·3	+7·6	287·1	292·2	27th	276·6	270·1	18th	281·8	−0·3	..	17	− 43
1372	Wellington	41 16	174 46	33·5	..	1021·8	+7·5	288·3	291·4	10th	282·1	276·7	23rd	285·2	+0·6	..	56	− 67
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

MAY—ZONE 14.

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24	75 6	55	997·9	1004·6	+ 7·8	288·0	290·0	27th, 29th	276·1	274·2	16th, 17th	282·1	+3·1	279·8	194	−32
1422	Puerto de Punta Arenas .	53 10	70 54	4	1006·6	1007·1	+ 7·4	279·7	284·6	2nd	275·3	271·0	11th	277·5	+0·4	277·6	56	+26
1423	Punta Dungeness . .	52 24	68 25	5	1005·8	1006·4	+ 4·8	281·0	287·2	9th	..	..	..	279·4	+1·6	279·3	40	..
1424																		
1425	Cape Pembroke . . .	51 41	57 42	21	..	1007·9	+ 6·3	280·0	281·9	1st, 25th	275·9	271·3	11th	278·0	+0·6	278·5	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1430		S.	W.															

MAY—ZONE 15. Between Latitude 60° S. and 70° S.

		S.	W.															
1527	South Orkneys . . .	60 44	44 39	6·9	1008·6	1009·5	+18·2	270·1	277·3	..	264·2	251·2	..	267·1	+1·4	267·1	11	− 31
1528																		

MAY—ZONE 16. Between Latitude 70° S. and 80° S.

		S.	W.															
1605	Framheim	78 38	163 37	11·1	982·5	984·1	..	..	253·0	6th	..	222·4	23rd	237·4	..	..	..	..
1669		S.	E.															
1670	Cape Evans(McMurdo Sound)	77 38	166 24	18	..	989·7	− 0·3	..	264·4	..	..	239·4	..	..	−0·2	249·2	..	..
1671	Cape Adare . . .	71 18	170 9	..	..	984·1	..	..	268·6	..	..	239·7	..	..	..	254·9	..	..
		° ′	°	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MAY 1911.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m.
			9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.		
	9 a.m.	m/s.											m/s.
1	SE	4·7	E 2	E 2	W 3	W 5	E 2	E 2	Calm 0	E 3	E 2	NW	7·1
2	ESE	3·9	SE 4	E 4	W 3	W 5	NE 1	E 2	W 6	E 2	E 3	NW	6·2
3	SE	3·3	SE 4	E 2	Calm 0	W 5	NE 4	E 1	W 3	E 2	W 4	N	..
4	SSE	4·4	SW 2	NE 2	W 3	W 5	NW 1	NW 2	SE 2	E 3	SW 3	NE	..
5	SE by S	..	Calm 0	Calm 0	Calm 0	W 3	W 2	SW 2	SE 2	E 2	E 2	Calm	..
6	SE	..	E 2	SW 2	Calm 0	W 3	SW 2	SW 3	SE 2	E 1	E 1	SW	5·8
7	SE	7·2	S 4	SE 3	NE 3	W 5	SW 2	S 2	Calm 0	E 2	E 3	NE	2·5
8	SE by S	8·5	SE 2	Calm 0	W 3	W 3	E 2	E 2	Calm 0	E 2	E 3	NE	2·1
9	SE by E	7·1	Calm 0	S 2	Calm 0	W 5	E 3	E 3	SE 3	E 3	E 4	NE	1·9
10	SE	5·8	SE 4	Calm 0	W 3	SE 3	E 3	E 3	SE 5	E 1	E 2	N	1·8
11	SE by S	5·2	SE 2	SE 2	SW 3	W 3	E 3	SE 2	SE 2	E 1	E 2	NE	1·3
12	SSE	5·9	E 4	SE 2	NE 3	Calm 0	E 2	E 2	SE 2	E 1	E 3	NE	2·1
13	SSE	4·6	Calm 0	NE 2	SE 3	Calm 0	E 2	E 2	SE 2	E 2	E 2	E	2·9
14	SSE	3·7	E 4	Calm 0	SE 3	W 3	E 2	E 2	NE 4	E 1	SE 3	NE	0·4
15	SSE	3·9	E 2	Calm 0	Calm 0	W 3	NE 1	E 1	NE 4	SE 2	SE 3	NE	1·8
16	S by E	4·4	Calm 0	Calm 0	Calm 0	W 3	E 1	E 2	SE 4	SE 3	SE 3	NE	4·5
17	S by E	6·3	N 2	Calm 0	W 3	SE 3	SE 2	E 3	SE 4	SE 3	SE 2	NE	2·5
18	SE	8·2	SE 2	Calm 0	Calm 0	W 5	SE 2	SE 2	SE 4	SW 4	SW 1	SW	3·0
19	SE	6·9	N 4	E 2	SW 5	W 5	SE 2	E 1	SE 3	SW 2	SW 2	SE	4·4
20	ESE	6·9	E 2	E 2	Calm 0	Calm 0	E 3	E 2	SE 3	SW 2	SW 2	SE	3·2
21	ESE	6·7	E 4	E 4	Calm 0	SE 3	E 3	E 3	SE 3	SE 2	SE 2	E	1·9
22	SE	6·9	E 4	NE 2	Calm 0	SE 3	E 5	E 4	SE 5	E 4	E 4	NW	4·2
23	SE	..	E 6	E 2	Calm 0	SE 3	E 3	E 3	SE 5	E 5	E 3	NE	1·4
24	SE by S	5·7	E 4	E 2	Calm 0	W 3	E 3	E 4	SE 5	E 2	E 4	E	7·4
25	SE	5·7	NE 2	NE 4	Calm 0	SE 3	E 3	E 3	SE 6	E 2	E 2	NE	5·2
26	SE by E	3·9	E 4	E 4	Calm 0	W 3	SE 3	E 4	SE 4	SE 3	SE 1	NE	4·9
27	ESE	1·2	SE 4	SE 2	Calm 0	W 3	SE 3	E 4	SE 5	SE 1	SE 3	E	3·2
28	SE by E	2·0	SE 2	SE 2	Calm 0	W 3	SE 2	SE 2	SE 4	SW 1	SW 3	NE	1·9
29	SSE	6·4	NE 4	NE 4	Calm 0	W 3	SE 2	E 1	SE 3	SW 3	SW 4	NE	3·0
30	SSE	8·2	E 2	E 2	Calm 0	W 3	E 2	E 3	SE 5	SW 2	SW 4	E	2·7
31	SE by S	6·9	E 2	Calm 0	W 3	SE 3	E 3	E 2	SE 4	SW 4	SW 2	E	..
Mean for Month	..	5·5	..	2·7	..	1·8	..	1·3	..	3·2	2·4	2·4	3·4	2·3	2·6	..	5·3
Deviation from Normal	..	−0·6	..	..	..	..	..	..	−0·4	..	..	..	..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MAY 1911.

**Seas round Novaja Zemlja and Spitsbergen.*—"The White Sea was full of ice. The ice edge extended from the mouth of the White Sea, outside Kanin Nos, leaving a landwater here, to Novaja Zemlja. Heavy close ice lay off Kolguev, but between 22nd and 29th large openings were seen towards the White Sea. From 48° E. the northern edge followed lat. 73° N., but further W. passed N. of Bear I., then N. along the W. coast of Spitsbergen, the ice-belt here not being very broad."

**Greenland Sea.*—"The ice-boundary probably passed E. of Jan Mayen."

**Iceland.*—"The N. coast was never quite ice-free during the month. The east coast, which had been blocked at first, became free from the 4th to 7th owing to strong W. winds. The fjords became free on the 11th. The ice, which consisted of heavy old polar-ice, was rapidly decomposed, a great difference being visible from day to day. The eastern edge was 20–30 miles offshore. During the last half of May scattered ice drifted about off the east coast, blocking the passage round Langenaes between the 22nd and 25th, and stretching E. as far as one could see. Near the end of the month there was no ice south of Seydisfjord or in any of the fjords. The S. and W. coasts were ice-free throughout. Off Angmagsalik the 'Storis' was observed."

The North Atlantic and Labrador.—"On the Newfoundland Banks pack was only observed a few times, but icebergs were much more numerous than in April; limits 40° 48′ N., 41° 30′ W. On May 29th a berg estimated to be 500 feet high was observed in 48° N. 50° W. In St. Lawrence Bay was much ice at Cape Ray during the first part of the month; by the middle the Belle Isle Strait was open along the coasts, but icebergs were still very numerous."

**Davis Strait.*—"Many icebergs lay about 150 miles S.W. of Cape Farewell. Scattered 'Storis' lay along the coast from Cape Farewell to Arsuk, but only occasionally at Julianehaab; on the last few days there was no ice. The main mass retreated from 30 to 60 miles offshore. 'Storis' off Frederikshaab and Upernivik was driven offshore during the first half of May, otherwise the coast was free up to Upernivik."

**Baffin Bay.*—"In Melville Bay the firm ice began to split. Further N. open water extended to Northumberland I., Cape Parry, and Saunders I. In Smith Sound the ice remained as in April, and Kanes Basin was covered."

**Behring Sea.*—"At first ice lay north of Alaska Peninsula, rather scattered near Port Moller, but closer to the west. Bristol Bay was ice-free. West of St. Matthew I. the edge was between lat. 60° and 62°, closely packed; on the 17th the pack broke up off Nome; afterwards only drift-ice was seen."

* *Isforholdene i de arktiske Have, 1911,* issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JUNE 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JUNE 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. JUNE—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay . .	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1012·7	1015·0	+3·3	278·3	285·7	26th	272·5	269·0	3, 12, 13	275·4	+0·3	275·2	31	+19
126																		
139	Spitsbergen . . .	78 2	E 14 14	11·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1010·4	1011·0	−2·1	..	287·4	4th	275·2	272·3	13th	..	−2·5	277·4	112	+75
142	Mehavn	71 1	27 47	6·4	1010·2	1010·7	..	..	288·0	27th	276·4	273·6	13th	..	..	278·5	50	+11
143	Vardö	70 22	31 8	10·0	1009·4	1010·2	−3·1	..	288·4	5th	275·9	272·5	9th	..	−0·4	278·2	17	−16
144																		
		N.	E.															

Between Latitude 70° N. and 60° N. JUNE—ZONE 2.

		N.	W.															
209	Dawson	64 4	139 20	321	973·6	1011·4	−2·8	295·1	301·3	22nd	278·4	272·4	2nd	286·7	−0·7	..	22	−25
210	Carcross	60 11	134 34	662	..	..	..	288·6	296·9	22nd	276·3	271·3	14th	282·4	..	..	18	..
211																		
212	Fort Simpson . .	61 52	120 43	129	998·7	1014·2	..	293·9	299·7	..	280·2	274·4	..	287·1	..	288·0	24	..
213	Hay River . . .	60 51	115 20	161	994·6	1014·0	..	288·1	297·2	14th	278·4	272·4	6th	283·3	..	..	11	..
214																		
225	Jacobshavn . . .	69 13	51 2	12·6	1013·6	1015·1	+4·4	280·2	289·4	26th	274·9	271·6	3rd	277·6	−0·8	277·4	47	+28
226	Godthaab . . .	64 11	51 44	9	1012·2	1013·3	+3·7	..	..	..	272·3	267·6	18th	..	..	276·6	1	−35
229	Angmagsalik . .	65 37	37 34	31·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
230																		
231	Stykkisholm . .	66 5	22 46	11·3	1012·8	1014·2	+3·8	285·0	288·7	18th	278·5	275·5	25th	281·8	+0·7	281·8	18	−22
232	Vestmanno . . .	63 26	20 15	7·7	1013·6	1014·5	+2·9	286·2	291·2	18th	279·7	277·7	7th	283·0	+0·2	282·3	74	−23
233	Grimsey (Akureyri) .	66 33	17 58	6·8	1014·8	1015·6	+4·2	281·2	289·4	3rd	274·8	272·2	25th	278·0	−0·4	277·9	0	−23
234	Berufjord . . .	64 40	14 19	18	1012·8	1015·0	+3·5	283·5	287·3	10th	276·1	273·2	18th	279·8	−0·6	279·4	82	+12
235	Thorshavn . . .	62 3	W 6 45	25·7	1010·7	1013·8	+0·2	284·7	288·2	2nd	279·7	274·6	13th	282·2	−0·3	..	59	−20
236																		
237	Bergen (Met. Obs.) .	60 24	E 5 19	44·4	1007·6	1012·8	−1·0	..	299·1	4th	282·7	278·8	11th	..	+0·2	286·0	177	+84
238	Christiansund . .	63 7	7 45	17·8	1011·2	1012·3	−1·4	..	299·8	4th	281·9	275·8	9th	..	+0·4	284·6	80	+29
239	Trondhjem . . .	63 26	10 25	39·5	1008·6	1012·7	−0·6	..	300·1	4th	280·9	275·5	10th	..	−0·1	284·8	66	+20
240	Bodö	67 17	14 24	20·5	1009·8	1012·0	−1·2	..	295·9	4th	279·1	275·0	8th	..	−1·1	282·0	64	+11
241	Haparanda . . .	65 50	24 9	9·2	1009·0	1010·1	−2·3	286·5	296·0	2nd	278·0	272·0	11th	282·3	−2·3	282·7	37	+ 3
242	Helsingfors . . .	60 10	24 57	11·7	..	1012·6	+0·7	..	297	..	..	276	..	286·5	−0·9	286·0	7	−33
242a	Kuopio	62 54	27 40	99·7	..	1011·6	−1·2	..	300	..	..	275	..	286·5	−1·0	285·9	27	..
243	Kola	68 53	33 1	6·7	1009·4	1010·2	−2·0	..	295·4	5th	276·4	272·3	10th	280·4	−2·4	280·1	58	+41
244	Petrozavodsk . .	61 47	34 23	38·9	..	..	..	..	301·8	27th	280·3	274·0	18th	286·0	−1·1	285·5	..	..
245	Arkhangelsk . .	64 33	40 32	6·7	..	1009·8	−2·1	..	300	..	..	272	..	285·3	−0·3	284·8	87	+47
246	Velsk	61 5	42 7	? 87	1001·6	1012·0	..	..	303·2	28th	281·7	269·7	2nd	289·0	..	288·5	75	..
247	Oust-Tsylma . .	65 27	52 10	? 25	..	1009·0	−3·5	..	298	..	..	268	..	284·4	+0·3	283·8	..	..
248	Troitsko-Petcherskoe .	62 42	56 13	? 123	997·2	1011·9	..	..	303·3	19th	280·8	270·5	3rd	288·3	..	287·7	28	..
249	Berezov	63 56	65 4	39·9	1006·3	1011·1	−0·5	..	300·4	29th	282·2	270·8	5th	286·6	+2·8	286·0	47	+ 2
250	Obdorsk	66 31	66 35	24·2	1006·7	1009·6	−1·8	..	294·2	29th	278·2	268·6	7th	282·9	+2·5	282·3	29	−10
252	Sourgout	61 15	73 24	40	1007·2	1012·0	+2·4	..	301·6	21st	281·8	270·5	5th	288·5	+3·3	287·8	63	− 8
253	Touroukhansk . .	65 55	87 38	? 40	..	..	..	..	296·1	22nd	278·3	271·4	5th	282·6	+1·9	282·1	57	+20
254	Doudinka . . .	69 7	87 0	? 20	1002·8	1005·2	..	..	289·8	22nd	..	..	..	277·7	..	277·3	68	..
261	Olekminsk . . .	60 22	120 26	? 202	989·4	1013·5	−1·0	..	300·3	27th	280·6	272·4	14th	287·2	−1·1	286·5	48	..
262	Iakoutsk	62 1	129 43	? 108	..	..	..	..	298·9	30th	..	..	..	286·6	−2·1	286·1	26	+ 1
263	Verkhoïansk . .	67 33	133 24	? 100	987·6	999·5	−4·9	..	300·2	30th	277·6	271·2	11th	285·6	−0·2	285·2	..	..
264	Oust-Maïskoe . .	60 25	134 29	? 100	..	..	..	..	299·0	31st	279·4	272·8	16th	287·2	..	286·7	25	..
271	Markovo sur Anadyr .	64 45	170 50	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272	Novo-Mariinskii Post .	64 45	177 33	? 3	..	..	..	..	..	..	..	..	..	..	..	..	43	..
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JUNE—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
307		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
308		N.	W.															
309																		
310	Prince Rupert	54 18	130 18	52	1009·8	1016·0	..	286·4	292·4	..	279·4	276·9	..	282·9	..	..	134	..
311	Barkerville	53 2	121 35	1274	..	1013·9	..	287·2	294·7	12th	275·9	269·7	3rd	281·5	−1·2	*281·5*	105	+15
312	Kamloops	50 41	120 29	379	..	1012·3	−0·9	298·2	304·7	12th	283·6	278·0	4th	290·8	+0·2	*290·7*	5	−27
313	Calgary	51 2	114 2	1033	..	1011·0	+0·9	293·8	300·8	17th, 18th	280·7	275·2	5th	287·2	+2·8	*287·4*	67	−16
314	Fort Chipewyan	58 42	111 10	218	986·6	1012·5	..	291·3	300·8	12th	281·3	272·4	7th	286·3	..	*287·1*	48	..
315	Prince Albert	53 10	106 0	436	959·4	1010·1	+0·3	296·4	304·1	19th	281·6	276·3	7th	289·0	+1·7	*289·4*	79	+12
316	Qu'Appelle	50 30	103 47	645	936·1	1010·1	−0·7	294·9	304·4	15th	283·3	276·3	27th	289·1	+1·2	*289·2*	84	−15
317	Minnedosa	50 15	99 50	515	952·0	1011·4	..	296·0	305·2	..	283·3	273·4	..	289·7	+1·4	*289·4*	78	−8
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	..	..
318a	Fort Churchill	58 51	94 11	9	1013·4	1014·5	..	290·6	304·1	..	276·4	271·9	..	283·5	+4·6	..	..	..
319	Fort Hope	51 32	87 48	..	981·6	..	..	293·9	300·8	22nd	283·1	273·0	3rd	288·5	..	..	88	..
320	Moose Factory	51 16	80 56	9	1013·1	1014·1	..	291·9	300·8	30th	280·2	272·4	24th	286·1	..	..	146	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	1011·6	1013·5	+2·1	280·6	295·2	..	273·6	267·5	..	277·1	−0·6	..	? 79	..
324	Nain	56 33	61 41	4·2	1013·6	1014·1	+3·2	283·9	300·7	..	273·9	267·5	..	278·9	−0·9	..	? 52	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	294·1	15th	..	275·8	2nd, 3rd	282·6	+1·3	..	89	+15
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1015·1	1016·7	+0·3	290·1	298·0	8th	284·1	280·2	5th	287·1	+0·3	287·1	57	−34
335	Aberdeen	57 10	2 6	27·4	1011·0	1014·2	−1·3	288·3	296·3	7th	281·6	277·4	16th	285·0	+0·5	285·0	60	+13
336	Greenwich	51 28	W 0 0	48·5	1010·6	1016·4	+0·2	294·6	301·9	5th	283·2	278·0	11th	288·9	+0·1	288·3	53	+2
337	Uccle	50 48	E 4 22	100	1004·9	1016·9	+0·7	293·5	300·6	6th	282·9	276·3	11th	288·2	−0·9	287·9	86	+17
338	De Bilt	52 6	5 11	3·0	1016·1	1016·5	+1·6	293·5	301·0	6th	283·2	275·6	12th	288·4	−0·1	287·7	108	+50
338a	Hamburg	53 33	9 59	26·0	1013·0	1016·1	+1·1	292·4	299·0	5th, 6th	284·2	278·9	11th	288·3	−1·4	288·3	50	−24
339	Copenhagen	55 41	12 36	5·0	1014·3	1014·9	+0·9	290·9	297·0	6th	284·6	279·4	10th	287·8	−0·1	*287·9*	68	+17
340	Potsdam	52 23	13 4	84·9	1006·0	1016·1	+0·9	295·6	303·1	24th	283·2	277·7	11th	289·4	−0·4	288·9	34	−23
340a	Upsala	59 51	17 38	24·0	1010·2	1013·1	+2·9	292·0	301·3	5th	279·6	271·4	10th	285·8	−0·7	286·4	33	−15
341	Warsaw	52 15	21 1	127	1000·6	1015·7	+2·3	293·9	304·1	26th	284·7	278·2	11th	289·3	−2·3	*288·9*	27	−41
342	Jurjev	58 23	26 43	74·5	1004·2	1013·2	+0·8	291·6	304·0	..	280·2	273·2	..	285·9	−3·0	286·2	67	+12
343	Petrograd	59 56	30 16	4·8	..	1012·3	+2·0	..	302	..	..	276	..	286·0	−2·2	*285·6*	59	+14
344	Kiev	50 27	30 30	182·9	..	1013·0	+1·1	..	300	..	..	279	..	288·6	−2·4	*287·9*	155	+95
344a	Moscow	55 45	37 34	156	994·2	1012·8	+2·2	294·1	304·3	28th	283·6	274·9	2nd	288·9	−1·8	288·8	58	+14
345	Saratov	51 32	46 3	59·9	..	1014·2	+3·9	..	310·8	29th	..	278·1	3rd	292·1	+1·5	*291·7*	39	−43
346	Kazan	55 47	49 8	79·8	1004·8	1014·3	+4·7	..	310	..	..	281	..	296·7	+4·2	*296·0*	7	−38
347	Orenburg	51 45	55 6	114·1	..	1016·0	+6·2	..	305	..	..	278	..	291·3	+2·3	*290·6*	27	..
348	Perm	58 1	56 15	163·0	..	1014·8	+5·3	..	305	..	..	274	..	291·3	+3·1	*290·6*	45	−25
349	Ekaterinburg	56 50	60 38	288·9	..	1016·0	+7·3	..	305	..	..	274	..	290·7	+2·2	*290·7*	19	−48
350	Tobolsk	58 12	68 14	108·3	1002·3	1015·1	..	..	304·1	18th	284·4	273·9	6th	291·4	+0·9	*291·7*	40	+2
351	Akmolinsk	51 12	71 23	? 347	974·0	1014·0	+2·8	..	306·1	15th	284·4	277·6	7th	292·4	+2·4	*291·8*	20	−32
352	Omsk	54 58	73 23	87·3	1003·9	1014·3	+4·8	..	304·2	19th	284·1	275·1	7th	292·5	+1·5	*291·7*	27	−13
353	Barnaoul	53 20	83 47	157·7	993·1	1011·6	+4·4	..	302·3	19th	284·1	277·3	8th	292·0	+2·4	*291·8*	27	−24
354	Tomsk	56 30	84 58	121·6	997·6	1012·1	+2·9	..	301·6	10th	281·9	274·0	7th	288·9	+1·5	*291·3*	48	..
355	Minousinsk	53 43	91 41	? 255	982·3	1012·2	..	..	303·2	10th	283·3	276·0	1st	290·7	+0·2	*288·2*	66	+10
356	Eniseisk	58 27	92 11	84·4	1001·2	1011·3	..	..	299·7	11th	281·9	274·0	7th	290·7	..	*290·0*	12	−51
357	Irkutsk	52 16	104 19	467·0	955·9	1011·1	+0·9	..	302·0	17th	279·9	270·8	1st	289·4	+0·3	*288·7*	36	−13
358	Kirensk	57 47	108 7	? 263	978·3	1009·2	+1·6	..	300·6	26th	279·9	272·5	1st	288·3	−0·2	*287·7*	36	..
359	Tchita	52 2	113 30	673·8	929·7	1006·5	..	..	302·0	17th	280·1	271·5	2nd	288·1	..	*287·5*	63	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	952·2	1009·5	..	..	299·7	29th	277·7	269·6	1st	289·4	..	..	12	−14
360a	Nertchinsk	51 59	116 35	484·3	949·6	1005·0	..	..	303·9	18th	281·8	274·0	9th	286·5	..	*285·9*	47	−59
361	Tygan Ourkan	54 5	124 46	? 370		964·4	1007·6	..	..	300·6	18th	275·0	267·4	15th	291·6	−1·3	*290·9*	6	..
362	Blagoveshchensk	50 15	127 38	? 160		..	1009·1	..	..	..	..	..	..	288·3	..	*287·8*	24	..
363	Paikanskii Sklad	50 11	130 7	? 168		..	..	..	..	..	..	..	..	..	..	..	..	..
364										300·9	20th, 21st	280·3	274·4	13th	289·2	..	*288·7*	59	..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1006·0	1008·5	−1·0	..	296·2	16th	279·1	273·7	18th	285·1	−0·4	*284·6*	63	+21
366	Okhotsk	59 21	143 17	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk Phare	52 53	158 47	87·1	999·8	1000·6	−8·7	..	288·8	9th, 23rd	277·3	272·9	1st	279·9	−3·2	..	60	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

JUNE—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	N. 48 24	W. 123 19	25·9	..	1017·9	+1·7	291·4	295·9	10th	281·7	277·6	19th	286·6	+0·2	286·2	19	−6
412	Portland, Oregon	45 32	122 41	46·6	1012·9	1018·3	+1·0	293·3	303·6	10th	283·3	279·1	3rd	288·3	−0·9	*287·9*	22	−23
413	Macleod	49 44	113 24	954	..	..	..	296·0	303·0	13th	283·2	278·6	6th	289·7	+2·4	*289·9*	117	+92
414	Helena	46 34	112 4	1253	872·6	1012·5	+0·7	295·8	304·1	22nd	282·9	276·3	5th	289·3	+0·4	*289·5*	84	+31
414a	Salt Lake City	40 46	111 54	1331	866·2	1011·5	+0·7	298·9	306·9	12th	286·7	279·7	9th	292·8	−0·4	*293·5*	11	−8
415	Cheyenne	41 8	104 48	1856	814·3	1011·5	+1·0	299·1	303·6	28th	283·2	279·1	11th	291·1	+1·7	*291·4*	42	+2
416	North Platte	41 8	100 45	860	915·3	1011·8	+0·7	304·8	313·0	29th	287·5	279·1	12th	296·2	+2·4	*296·3*	29	−54
416a	Bismarck	46 47	100 38	510·2	953·0	1012·2	+0·7	300·3	309·7	20th	286·8	278·6	27th	293·6	+2·7	*293·7*	69	−21
417	Winnipeg	49 53	97 7	231·6	..	1012·6	+0·8	296·5	304·8	20th	285·6	278·2	27th	291·1	+1·3	*290·3*	58	−30
418	Duluth	46 47	92 6	345·3	972·8	1013·5	+0·3	294·2	305·2	19th	282·2	278·0	28th	288·2	+0·9	*288·1*	70	−45
419	Port Arthur	48 27	89 12	196·3	..	1014·2	0·0	292·4	299·7	14th	282·4	277·4	28th	287·4	+0·9	287·3	158	+82
420	Chicago	41 53	87 37	250·9	984·9	1014·5	0·0	299·9	309·7	9th	291·1	285·8	1st	295·4	+3·4	*295·2*	65	−28
421	Toronto	43 40	79 24	106·7	..	1013·8	−0·4	299·9	306·1	22nd	283·4	281·4	6th	291·7	+0·6	291·4	39	−32
422	New York	40 43	74 0	96	1002·3	1013·5	−1·7	297·4	304·7	28th	288·9	284·1	16th	293·2	−0·3	294·0	118	+35
423	St. John, N.B.	45 17	66 4	21·3	..	1013·2	−1·3	292·5	300·4	30th	283·6	279·8	3rd	288·1	+1·8	*287·6*	80	+2
424	S. W. Point, Antigosti	49 24	63 35	9	1010·8	1011·9	−0·3	285·9	293·0	..	279·8	274·1	..	282·9	..	..	96	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1014·2	1015·1	..	288·2	292·4	..	282·4	277·4	..	285·3	..	..	88	..
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1013·4	−0·1	289·4	298·6	9th, 29th	279·5	273·0	5th	284·4	+1·6	..	112	+13
435	Madrid	40 24	3 41	655·4	942·9	1017·9	+2·1	299·7	312·2	30th	284·1	279·7	14th	291·9	−1·9	291·1	75	+45
436	Nantes	47 15	W 1 34	41·4	1012·8	1017·7	−0·2	295·1	304·4	8th	286·0	280·7	27th	290·6	+0·5	*290·4*	84	+28
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·4	1017·3	+0·5	295·3	301·5	6th	283·9	278·2	15th	289·6	+0·1	289·6	78	+24
438	Marseilles	43 18	5 23	75·0	1008·1	1017·0	+2·6	299·0	303·0	19th	286·9	282·8	16th	293·0	+0·1	*292·9*	18	−8
438a	Zürich	47 23	8 33	493·2	960·8	1018·4	+0·6	..	299·7	8th	..	281·4	14th	288·6	+0·9	288·7	116	−18
439	Rome	41 54	12 29	63·4	..	1017·8	+2·0	299·7	304	25th	289·2	285	16th, 24th	294·4	−0·2	*294·6*	72	+31
440	Vienna	48 15	16 22	202·5	992·5	1016·4	+1·7	293·4	298·2	25th	285·2	281·1	15th	289·3	−1·1	289·4	79	+9
440a	Buda-Pesth	47 30	19 2	129·6	1001·0	1016·4	+2·3	296·7	304·9	26th	285·6	280·6	3rd	291·2	0·0	*291·6*	33	−44
441	Bucharest	44 25	26 6	82	1005·5	1015·2	+2·8	300·2	310·6	27th	287·1	282·4	17th	293·7	+0·9	..	93	+8
442																		
443	Odessa (University)	46 29	30 46	65·3	1006·8	1014·6	+1·9	296·2	303·5	30th	286·9	280·5	3rd	291·6	−2·2	*291·2*	39	−19
444	Kharkov (University)	50 0	36 14	140	..	1013·6	+1·1	..	306	..	..	278	..	289·8	−2·3	*289·1*	107	+52
444a	Novorossiisk	44 40	37 49	37	..	1015·1	+1·6	..	301	..	..	281	..	292·0	−2·2	*291·4*	62	+12
445	Tiflis	41 43	44 48	409	..	1014·6	+3·4	..	304	..	..	283	..	293·3	−1·4	*292·9*	50	−20
446	Astrakhan	46 21	48 2	−14	..	1015·8	+4·4	..	308	..	..	283	..	296·0	−0·4	*295·5*	16	−4
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	2	−10
448	Krasnovodsk	40 0	52 59	−15	..	1012·3	+1·0	..	308	..	..	288	..	297·9	−0·5	*297·3*	53	−12
449	Tachkent	41 20	69 18	478·3	953·6	1007·1	−0·3	..	310·2	6th	290·7	282·1	16th	299·0	−0·2	*298·1*	0	−8
450	Irgiz	48 37	61 16	112	999·6	1012·6	..	..	308·0	25th	..	..	..	297·5	+1·3	*296·8*	0	−22
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	297·0	10th	281·9	277·2	18th	289·7	+2·0	*288·9*	54	+2
452	Vernyi	43 16	76 53	? 835	917·1	1010·5	+3·5	..	305·5	27th	..	..	..	294·7	+0·2	*293·9*	41	−13
461	Mukden	41 48	123 23	43·8	1000·3	1005·4	+0·9	300·0	304·6	23rd	288·4	282·7	5th	294·4	0·0	..	110	+23
462	Joshin	40 40	129 11	4·0	1006·7	1007·2	+0·2	293·3	300·3	12th	286·3	282·3	12th	289·8	+0·5	..	55	−19
463	Vladivostok	43 7	131 54	15·7	1005·9	1007·8	−2·0	..	295·3	13th	284·3	281·6	6th	287·2	−0·8	*286·8*	49	+1
465	Ochiai	47 20	142 44	15·0	1008·8	1010·6	..	289·3	297·6	2nd	279·6	274·1	7th	284·5	..	283·8	59	..
466	Nemuro	43 20	145 35	26·7	1006·8	1010·1	−0·3	288·7	295·4	15th	280·8	275·1	8th	284·8	+1·7	284·2	123	+25
		N.	E.															

Between Latitude 40° N. and 30° N.

JUNE—ZONE 5 (Western Half).

511	San Francisco	N. 37 48	W. 122 26	47·2	1009·0	1014·5	0·0	288·9	298·0	30th	282·7	281·3	11th	285·8	−1·1	*285·1*	1	−5
512	San Luis Obispo	35 18	120 39	61·3	1008·1	1015·6	+1·4	293·7	307·4	26th	282·7	279·1	30th	288·2	−0·6	*287·8*	0	−3
513	Modena	37 48	113 54	1670	833·2	1011·2	+1·4	298·9	304·7	12th	281·2	275·2	2nd	290·1	−0·3	*290·4*	19	+8
514	San Diego	32 43	117 10	26·5	1010·4	1013·5	+0·3	292·6	305·8	6th	287·2	284·7	8th	289·9	−0·8	*289·7*	0	−1
515	Santa Fé	35 41	105 57	2138	790·2	1010·8	+1·4	297·9	301·9	25th	284·7	279·1	18th	291·3	−0·7	*291·5*	17	−10
516	Denver	39 45	105 0	1613	837·6	1011·5	+1·0	302·2	308·0	24th	286·8	281·9	3rd	294·5	+2·4	*294·8*	14	−23
517	Abilene	32 23	99 40	529·7	952·8	1011·8	0·0	309·3	313·6	24th	295·9	291·9	20th	302·6	+3·9	*302·5*	2	−78
518	Saint Louis	38 38	90 12	172·8	993·5	1013·5	−0·7	304·4	309·7	10th	294·2	290·2	1st	299·3	+2·4	*299·2*	34	−79
519	Mobile	30 41	88 2	17·4	1013·5	1015·6	0·0	305·1	309·1	1st	297·2	294·1	29th	301·1	+1·9	*300·7*	60	−91
520	Nashville	36 10	86 47	166·4	996·1	1015·6	0·0	304·9	310·2	4th	293·9	288·6	2nd	298·9	+1·3	*298·6*	116	+6
521	Charleston	32 47	79 56	14·6	1013·7	1015·6	−0·7	304·4	308·0	11th	296·1	291·3	9th	300·3	+1·4	*299·9*	72	−65
522	Washington	38 54	77 3	34·1	1010·0	1014·2	−1·7	301·4	311·3	11th	290·2	286·3	17th	295·8	+0·2	*295·6*	116	+9
523	Bermuda	32 17	64 46	46·0	..	1018·5	−0·5	298·9	300·8	25th	293·7	291·7	3rd, 24th	296·3	−0·5	..	156	+24
524																		
531	Horta	38 32	28 38	30	..	1025·0	+2·6	294·8	298	23rd	289·9	288	sev. dates	292·4	+0·5	..	35	+5
532	Ponta Delgada	37 44	25 40	17	..	1024·8	+1·7	294·7	304	24th	290·0	288	11th, 20th	292·4	+0·4	..	20	+4
533	Madeira (Funchal)	32 37	16 54	25	1020·6	1023·6	+3·0	295·0	297·3	16th	286·5	284·0	1st	290·7	−0·4	..	1	−11
534	Lisbon	38 43	9 9	95·4	1008·2	1019·5	+1·9	294·3	305·1	28th	287·6	284·3	4th	291·0	−1·4	*290·6*	43	+23
535	Casablanca	33 37	7 35	17	1017·2	1019·2	..	296·0	297·1	..	290·1	286·4	..	292·3	−0·8	*292·5*	0	−3
536	Gibraltar	36 6	5 21	16	1014·8	1016·7	+0·9	297·7	301·3	17th, 20th	..	..	..	..	−2·0	*292·3*	1	−13
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

JUNE—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1012·6	1017·1	+2·6	298·5	307·8	18th	291·3	288·2	1st	294·9	−0·6	*294·5*	27	+16
538	Palma	39 33	2 42	23	..	1018·6	+1·6	298·4	302	17th	290·7	289	sev. dates	294·6	0·0	..	2	−20
538*a*	Tunis	36 48	10 10	43	1014·9	1019·9	+4·1	302·6	312·0	25th	291·1	286·8	16th	296·9	+0·6	..	1	−11
539	Malta	35 54	14 31	59	..	1019·4	+2·8	298·8	303	6, 9, 13	291·8	289	2nd	295·3	−0·2	..	2	−1
540	Catania	37 30	15 3	64·9	1010·3	1017·9	+2·5	300·0	305·8	27th	291·4	287·5	1st	295·7	+0·3	..	0	−5
541	Athens	37 58	23 43	107·1	..	1015·1	+2·1	301·9	309	27th	292·4	288	4th, 8th	297·2	−0·2	*296·8*	5	−8
542	Alexandria	31 9	29 54	32·0	..	1014·2	+1·6	300·4	311	2nd	292·9	291	1st	296·6	−0·6	*296·0*	0	0
543	Cairo (Helwan)	29 52	31 20	115·6	..	1012·8	+0·5	307·5	314	2nd	291·7	288	21st	299·6	−0·4	299·6	0	−13
544	Nicosia	35 12	33 24	152	..	1010·8	+0·7	306·4	311	sev. dates	288·6	284	1st	297·5	−0·6	..	0	−4
544*a*	Beirut	33 54	35 28	52·4	..	1011·4	+0·9	300·8	306	3rd	292·9	289	20th	296·8	−0·5	..	0	0
545	Baghdad	33 21	44 28	38·7	1000·1	1004·3	−0·5	312·0	315·8	30th	296·5	292·9	6th	304·2	−0·2	..	0	+25
546	Lenkoran	38 46	48 52	−19	1015·9	1013·7	+2·4	..	302·7	24th	289·7	287·4	20th	295·2	−1·7	*294·8*	46	+25
547	Busrah	30 31	47 53	7·6	1001·8	1002·5	−1·0	309·1	314·6	30th	300·2	295·7	4th	304·6	−0·7	..	0	−8
548	Meshed	36 16	59 35	946	903·5	1007·5	..	305·2	309·9	5th	288·4	285·3	14th	296·8	+0·3	..	0	−4
549	Quetta	30 11	67 3	1677	827·7	..	+0·1	307·6	310·6	12th, 13th	288·1	283·9	28th	297·9	+1·0	*297·5*	0	−4
550																		
551	Lahore	31 34	74 20	214	974·4	997·8	−0·3	314·3	320·2	7th	300·7	295·1	26th	307·5	+0·4	*307·3*	53	+7
551*a*	Simla	31 7	77 8	2204·3	778·2	..	+0·6	295·8	300·7	1st	289·1	286·2	27th	292·5	−0·4	*292·1*	110	−65
552	Leh	34 10	77 42	3506	665·6	..	+0·3	297·1	300·2	14th	280·9	277·4	18th	289·0	+1·1	*288·4*	0	−4
552*a*	Dehra Dun	30 20	78 0	681	926·3	999·3	−0·2	305·1	309·7	1st	295·9	293·0	27th	300·5	−1·2	*299·7*	273	+59
559	Hang Kow	30 35	114 17	37·0	1002·7	1006·9	+1·2	300·7	305·4	28th	294·1	289·4	7th	297·4	−1·3	..	278	+10
560	Tiensin	39 10	117 10	5·0	1005·8	1006·4	+1·4	302·2	306·3	29th	291·5	285·7	4th	296·9	−1·2	..	64	+5
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1005·8	1006·6	0·0	299·3	306·3	4th	292·0	288·6	12th, 19th	295·7	−0·8	294·8	182	+14
562	Chemulpo	37 29	126 32	67·6	999·9	1007·9	+1·0	295·9	301·9	21st	289·1	286·5	5th	292·5	−1·2	292·0	61	−150
562*a*	Nagasaki	32 44	129 52	133·0	992·8	1008·3	−0·4	297·7	303·5	18th	290·9	288·5	10th	294·3	−0·7	294·0	518	+186
563	Kioto	35 1	135 46	49·4	1003·5	1009·2	−0·2	299·6	303·9	18th	289·3	282·9	9th	294·5	+0·3	294·2	259	+108
564	Tokio	35 41	139 45	21·3	1006·8	1009·3	−0·2	297·6	303·5	20th	290·7	287·6	9th	294·2	+0·5	293·8	275	+355
565	Miyako	39 38	141 59	30·4	1005·7	1009·3	−0·6	294·8	300·6	4th	286·2	282·3	8th, 24th	290·5	+1·1	289·8	368	
566		N.	E.															

JUNE—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1016·4	1017·7	+1·4	299·6	300·8	..	294·5	291·9	..	297·1	−0·8	..	9	−20
606																		
615	Zacatecas	22 47	102 35	2610	746·7	..	..	293·1	295·2	9th	282·6	280·6	28th	287·9	..	..	43	..
616	Leon	21 7	101 41	1798·6	822·7	..	..	302·5	305·0	11th	287·8	285·3	10th	295·2	−0·1	..	80	−29
617	Galveston	29 18	94 50	16·5	1013·3	1015·2	+0·4	303·5	309·1	13th	298·5	293·6	19th	301·0	+0·8	*300·8*	37	−84
618	New Orleans	29 58	90 4	15·5	1013·4	1015·2	+1·0	303·5	309·1	12th	297·0	294·1	22nd	301·4	+2·0	*301·0*	158	+2
619	Havana	23 8	82 22	24·3	..	1016·8	+1·7	..	304·8	20th	..	294·4	1st	299·4	−1·0	*299·1*	234	+60
620	Key West	24 33	81 48	6·7	1015·9	1016·6	+1·0	303·4	304·7	11th	297·9	294·7	19th	300·7	−0·2	*300·7*	99	−67
621	Nassau, Bahamas	25 5	77 21	7·6	1016·0	1016·9	+0·4	302·8	304·4	9th	296·9	294·4	15th	299·9	−0·3	..	110	
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	294·3	295·9	..	287·7	285·5	..	291·0	−2·6	..	0	−1
634	Las Palmas, Canary Islands	28 7	W15 26	7	1020·4	1021·2	+0·2	297·0	299·6	17th	290·9	287·4	6th	294·0	−0·2	..	2	0
637	Insalah	27 17	E 2 27	330	976·0	1012·4	−1·2	316·8	320·5	25th, 26th	299·2	292·1	3rd	308·0	+0·7	*308·1*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1014·2	+1·1	312·6	317	2nd, 14th	294·2	288	5th	303·4	−0·8	*304·4*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1010·2	+1·2	313·2	318	3rd	293·9	289	22nd	303·6	−1·9	*304·0*	..	..
643	Suez	29 57	32 32	3·4	..	1012·7	+1·6	308·8	313	29th	293·2	289	1st, 13th	301·0	+1·2	..	0	..
644	Aswan	24 2	32 53	99·6	..	1010·3	+0·8	314·5	318	16th	296·9	294	20th	305·7	−0·8	*307·5*	..	..
647	Bushire	28 59	50 53	4	1000·5	1001·1	+0·4	303·9	310·4	17th	298·3	296·1	25th, 27th	301·1	−1·9	..	0	−1
648	Jask	25 44	57 47	4	999·4	999·8	−0·3	308·3	310·9	9th	301·1	298·7	1st	304·7	−0·2	..	0	
649	Kurrachee	24 53	66 57	4	1000·9	1001·3	+0·9	304·4	306·1	19th	300·0	298·6	6th, 7th	302·2	−1·2	*301·5*	0	−25
650	Hyderabad, Sind	25 24	68 18	29	995·3	998·6	−0·2	312·6	317·4	5th	300·7	299·4	25th	306·6	−0·3	..	0	−13
651	Jaipur	26 56	75 52	436	952·9	999·8	+0·2	312·6	318·1	6th	300·3	296·4	17th	306·5	+0·3	*305·8*	116	+64
652	Nagpur	21 8	79 5	310	968·0	1002·0	+0·5	308·5	316·1	1st	298·7	295·9	12th	303·6	−0·7	*302·6*	395	+174
653	Allahabad	25 25	81 51	91	989·0	999·3	0·0	311·1	317·2	5th	301·0	296·9	13th	306·1	−0·3	*305·4*	54	−71
654	Calcutta	22 36	88 23	6	999·2	999·9	−0·9	305·5	308·8	29th	299·1	296·1	15th	302·3	−0·1	*302·1*	281	−9
655	Gauhati	26 8	91 41	59	995·8	1002·5	..	304·9	309·6	11th	298·1	294·7	15th	301·5	..	..	309	−65
655*a*	Cherrapunji	25 15	91 42	1313	863·2	..	..	294·8	298·9	11th	290·7	285·8	15th	292·7	..	..	3537	+1227
656	Shillong	25 33	91 48	1500	844·2	..	..	295·7	299·1	27th	290·6	288·4	1st, 15th	293·2	..	..	511	+75
656*a*	Akyab	20 11	92 56	6	1003·6	1004·2	−0·2	302·6	305·2	1st, 3rd	298·3	297·2	8th, 24th	300·4	−0·4	*300·5*	1205	+62
657	Phu Lien	20 48	106 37	115·6	990·5	1003·7	−0·1	306·1	310·9	26th	298·7	295·6	9th	302·4	+0·6	301·8	141	+66
658	Moncay	21 31	107 51	10	1003·1	1004·2	+0·3	305·4	308·4	18th	298·1	295·5	5th	301·8	+0·5	*301·1*	480	−42
659																		
660	Hong Kong	22 18	114 10	33·2	1002·8	1006·5	+0·5	303·7	305·9	18th	299·5	296·9	1st	301·6	+1·2	301·3	129	−287
661	Taihoku, Formosa	25 2	121 31	9·3	1006·3	1007·3	+0·2	306·2	308·2	22nd	297·0	292·5	1st	301·6	+1·4	301·1	77	−165
662	Naha	26 13	127 41	10·5	1007·5	1008·7	+0·1	304·1	306·2	15th	297·8	293·8	1st	300·9	+1·7	300·6	142	−159
		N.	E.															

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

JUNE—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 42	101 11	1933	810·5	..	..	296·5	300·6	10th	287·2	286·0	1st	291·9	..	*292·2*	92	..
717	Salina Cruz	16 12	95 16	56·3	1005·8	1012·3	..	..	307·6	..	..	294·6	..	301·1	..	..	172	..
718	Mexico	19 26	99 8	2280	780·5	..	+1·6	298·9	301·6	15th	285·4	283·4	1st	292·2	+0·7	291·2	62	−38
718*a*	Oaxaca	17 4	96 44	1563	846·7	..	..	301·1	303·6	8th	288·8	286·8	28th	295·0	..	*294·0*	49	..
719	Belize	17 29	88 12	2·1	..	..	..	302·6	306·9	16th	298·1	295·2	7th	300·3	−1·7	*299·2*	569	+281
720	San Salvador	13 44	89 9	657	938·8	1012·1	+1·4	303·5	306·5	18th	292·6	291·0	18th	298·1	+1·0	..	142	−133
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·1	+1·2	304·3	306·4	24th	295·8	293·9	23rd	300·1	+0·4	*299·5*	56	−103
722	Port au Prince	18 34	72 22	37·4	1015·5	1015·8	+3·5	307·1	309·3	..	295·7	293·8	..	301·4	+0·3	300·7	79	−16
723	St. Croix (Christiansted)	17 45	64 42	6·6	1014·6	1015·5	..	303·7	305·0	..	298·8	298·0	..	301·3	..	..	9	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	996·7	1014·6	+1·4	300·9	302·4	sev. dates	296·4	294·7	5th	298·7	−0·2	*298·2*	492	+265
725	Barbados	13 8	59 36	55·2	..	1012·9	+0·5	302·1	304·1	..	297·7	293·4	..	299·9	0·0	*299·7*	103	−33
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1017·6	1018·9	+3·5	297·7	299·5	30th	293·5	293·0	2, 11, 19	295·6	−1·0	..	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	34	1016·1	1020·1	..	300·6	302·5	2nd	295·1	294·0	4th, 5th	297·8	+0·1	..	0	0
733	Bathurst	13 24	16 36	1·5	1012·8	1013·0	+0·1	302·3	305·2	26th	294·6	291·3	2nd	298·4	−1·2	*299·1*	51	−26
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	311·7	314·1	3rd	294·9	293·0	15th	303·3	+0·5	..	92	−12
735	Ségou	13 34	6 17	? 272	..	..	..	309·9	312·2	8th	296·8	292·7	24th	303·4	..	..	69	..
736	Timbouctoo	16 43	W 2 52	250	981·5	1009·1	+0·5	314·9	319·0	..	298·5	294·0	..	306·7	−0·8	*306·2*	19	..
737	Sokoto	13 2	E 5 14	354	..	..	..	306·3	310·2	8th, 12th	296·8	293·0	27th	301·6	−1·2	..	153	+64
738	Kontagora	10 24	5 24	400	..	..	..	304·5	308·0	23rd	293·9	290·8	26th	299·2	−0·6	..	262	+86
739	Maiduguri	11 48	13 12	370	..	..	..	309·8	312·4	1, 6, 13	296·8	292·4	3rd	303·3	−0·8	..	90	+40
740	Katagum	12 17	10 22	329	..	..	..	310·8	314·7	8th	296·7	294·1	29th, 30th	303·8	+0·2	..	54	+10
742																		
743	El Obeid	13 11	30 14	585	..	1011·9	+0·8	311·0	315·8	4th	296·2	293·3	24th	303·6	+0·8	*304·2*	24	−8
744	Khartoum	15 37	32 33	390	..	1010·3	+2·0	314·8	318·8	4th	298·4	294·2	22nd	306·6	−0·4	*306·8*	0	−9
746	Aden	12 45	45 3	28·7	1002·6	1005·7	+1·0	307·9	310·0	5th	301·8	300·2	26th	304·8	+0·1	*304·5*	0	−2
751	Bombay	18 54	72 49	11·3	1004·8	1006·1	+0·9	304·2	306·9	1, 2, 3	299·6	297·4	14th	301·9	+0·3	*301·2*	276	−194
752	Mysore	12 18	76 40	768	924·8	1008·6	+0·9	300·8	304·4	29th	292·8	291·3	26th	296·8	−0·8	296·8	105	+31
752*a*	Kodaikanal	..	..	..	769·6	..	0·0	290·5	293·0	17th	285·1	284·1	14, 17, 20	287·8	−0·5	287·1	182	+84
753	Madras	10 13	77 28	2343	..	1005·9	+0·2	310·6	314·4	2nd	301·1	295·5	4th	305·8	+0·8	304·4	16	−32
754	Waltair	13 4	80 14	6·7	1005·2	1002·5	+0·3	305·4	310·6	24th	299·3	296·6	7th	302·4	..	*301·7*	106	−8
755	Port Blair	11 40	92 40	17·7	1005·9	1008·0	+0·6	302·4	304·2	4th	298·2	295·2	17th	300·3	−0·4	*299·6*	649	+160
756	Rangoon	16 46	95 48	5·5	1007·0	1007·6	+0·6	303·1	305·3	23, 28, 29	297·9	296·3	24th	300·5	0·0	*299·4*	580	+134
757	Saigon	10 46	106 42	11·2	1007·4	1008·7	+1·2	306·2	308·6	1st	296·0	294·4	19th	301·1	+0·1	..	286	−17
758	Nhatrang	12 16	109 12	6·8	1006·2	1007·0	+0·7	306·9	309·9	21st	297·3	295·9	21st	302·1	+0·4	..	30	−31
759	Bolinao	16 24	119 53	7·5	..	1007·8	+0·3	305·5	307·9	10th, 12th	297·0	296·2	16th	301·3	..	..	607	+211
760	Vigan	17 34	120 23	14·7	..	1007·7	−0·1	305·5	307·5	9th	297·3	295·5	28th	301·4	+0·1	301·2	333	−15
761	Manila	14 35	120 59	14·2	..	1008·5	+0·4	305·6	307·6	6th	296·4	295·0	22nd	301·0	−0·7	300·2	117	−120
762	Ormoc	11 0	124 36	5·6	..	1008·9	+0·3	303·5	305·1	15th	295·5	294·4	11th	299·5	−0·8	298·9	187	+10
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	303·1	304·4	7th	297·6	295·8	13th	300·4	..	..	220	..
		N.	E.															

Between Latitude 10° N. and 0°.

JUNE—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	1011·6	1012·0	+0·4	302·5	303·8	10th	297·9	296·3	16, 26, 27	300·2	−0·4	*299·5*	226	−22
819	Culebra	9 10	79 40	123·1	..	1010·4	0·0	303·0	305·8	26th	295·8	294·7	24th	299·4	−0·3	..	108	−119
822																		
823	El Peru, Guayanavieja	7 30	62 0	? 300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1014·2	1014·4	+1·4	302·7	304·0	15th, 18th	296·4	294·9	21st	299·6	+0·2	..	307	+6
826	Paramaribo	5 49	55 9	4	1012·9	1013·4	..	302·7	306·2	7th	295·8	294·4	18th	299·3	..	298·6	400	+118
826*a*	Cayenne	4 56	52 21	6	..	..	..	303·2	304·0	17, 20, 28	295·6	294·6	23rd	299·4	−0·5	..	308	+3
833	Conakry	9 31	13 43	16	1013·0	1014·8	+2·1	302·6	307·2	..	296·0	293·9	..	299·3	−0·4	..	750	+194
834	Sierra Leone	8 30	13 9	68·3	1005·2	1013·0	+0·5	303·3	306·1	14th	295·1	291·8	17th	299·2	−0·9	..	394	−127
835	Cape Coast Castle	5 5	1 13	..	..	..	..	301·6	307·4	26th	294·6	288·0	2nd	298·1	−0·9	..	75	−145
836	Accra	5 35	W 0 6	18	..	..	..	301·3	304·1	9th	295·8	293·0	21st	298·6	−0·1	..	525	+358
837	Lagos	6 22	E 3 28	7·6	1014·3	1015·2	+2·2	301·7	304·7	..	296·0	294·1	..	298·8	+0·1	..	644	+160
838	Zungeru	9 48	6 10	130	998·6	1013·5	+1·1	304·4	307·4	5th	294·8	291·9	18th	299·6	−0·5	..	186	+25
838*a*	Libreville	0 23	9 26	35	..	..	..	302·9	304·3	2nd	294·4	293·1	21st, 28th	298·7	+0·8	..	0	−9
839	Yola	9 12	12 30	259	..	..	..	304·7	308·0	14th	295·6	292·4	24th	300·1	+0·1	..	106	−47
841	Kafia Kingi	9 22	24 18	596	947·5	1013·5	..	..	..	..	..	..	..	297·1	..	..	130	..
842	Wau	7 42	28 3	440	..	1011·8	..	304·3	308	3rd, 4th	293·7	291	6th, 28th	299·0	..	..	283	+102
843	Entebbe	0 5	32 29	1177	885·3	..	+1·3	298·2	300·3	4th	289·7	288·6	27th	294·0	+0·1	*293·7*	34	−84
844	Nandi	0 2	35 5	2010	..	..	..	297·1	298·0	29th	283·7	282·4	4th	290·4	0·0	..	190	+23
845																		
851	Cothin	10 0	76 21	2·7	1010·2	1010·5	+1·1	302·2	303·9	2nd	296·6	294·2	11th	299·4	−0·2	*298·7*	783	+69
852	Colombo Observatory	6 54	79 53	7·3	1008·5	1009·3	+1·1	303·6	304·8	19th, 20th	298·3	296·3	10th	300·9	+0·2	*300·2*	146	−86
853	Candy	7 18	80 40	504·5	..	..	..	300·0	302·1	27th	294·4	291·6	27th	297·2	0·0	..	359	+118
855	Medan	3 35	98 41	23·5	..	1009·1	−0·6	305·9	307·5	13th	294·4	293·5	10th	300·2	..	..	129	0
856																		
857	Penang	5 34	100 20	5·0	1007·1	1007·7	−1·7	305·4	308·0	30th	297·3	294·7	9th	301·4	+0·6	..	173	−15
858	Singapore	1 17	103 51	3·0	1009·3	1009·6	+0·9	305·2	306·6	20th	297·1	295·1	26th	301·2	+0·9	..	95	−70
860	Sandakan	5 49	118 12	..	..	..	..	305·1	306·3	20th	297·1	295·8	15th	301·1	+0·7	..	133	−67
861	Tagbilaran	9 38	123 51	21·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
862	Surigao	9 48	125 29	6	..	1008·7	+0·3	303·9	305·8	22nd	296·7	295·2	5th	300·3	−0·4	300·0	159	+45
863	Yap	9 29	138 8	31·9	..	..	..	304·0	305·4	9th, 28th	297·7	7296·4	28th	300·9	..	..	199	..
869	Uyelang	9 42	161 2	<10	1009·5	1010·6	−0·5	..	..	..	..	..	..	..	..	..	589	+440
		N.	E.															

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

JUNE—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1010·0	1010·9	−1·8	305·5	306·9	14th, 26th	297·4	295·2	24th, 25th	301·5	0·0	..	29	− 20
906																		
923	Manaos	3 8	59 59	32·4	1005·8	1009·5	+0·4	..	..	..	..	..	..	299·9	−1·5	..	153	+ 97
930	Fernando Noronha	3 51	W32 25	95	..	1015·0	+2·3	299·4	299·9	..	296·1	294·1	..	297·8	..	..	114	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	302·9	305·7	3rd	290·3	286·9	18th	296·6	−0·5	..	0	− 6
940	Loango	4 38	11 50	? 50	..	..	..	..	..	..	..	..	..	..	..	..	..	..
943	Daressalam	6 49	39 18	7·6	1016·9	1017·7	+0·5	300·0	301·5	6th	291·4	288·4	14th	295·7	−1·3	295·3	12	− 1
944	Nairobi	1 18	36 59	1660	..	..	..	295·3	299·1	4th	283·3	280·2	11th	289·3	0·0	..	46	+ 12
944a	Zanzibar	6 10	39 11	21·9	1017·2	1019·7	+1·3	300·0	301·4	1st	295·4	293·7	20th	297·7	−0·7	*297·1*	57	+ 11
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	302·7	309·7	3rd	294·0	284·1	19th	299·4	..	..	59	−110
947	Seychelles	4 37	55 27	4·6	1012·9	1013·5	+1·4	300·8	302·1	..	297·8	295·6	..	299·3	+0·3	..	43	− 52
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·8	−0·3	..	..	..	..	..	..	..	..	..	217	−112
957	Batavia	6 11	106 50	8	..	1010·6	+0·7	303·4	305·8	10th	296·3	295·1	22nd	299·9	+0·3	299·4	115	+ 20
958	Pontianak	0 1	109 20	2·6	..	1009·2	0·0	..	..	..	..	..	..	..	..	..	40	−185
959	Passeroean	7 38	112 55	5·0	..	1010·9	+0·4	303·7	305·0	..	295·5	293·5	..	299·6	..	..	83	+ 15
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	84	+ 4
961	Koepang	10 10	123 34	3·3	..	1011·3	+0·7	..	..	..	..	..	..	..	..	..	68	+ 59
962	Ambon	3 42	128 10	4·2	..	1010·1	+0·1	..	..	..	..	..	..	..	..	..	603	− 20
965	Daru	9 4	143 13	8	1012·8	1013·7	+2·0	301·4	..	..	296·3	..	..	298·9	0·0	..	147	+ 42
966	Port Moresby	9 29	147 9	39	1006·6	1011·0	+0·3	301·6	..	..	296·3	..	..	298·9	−0·5	..	30	+ 5
967	Rakuranga	4 13	152 8	ca.120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	126	+159
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1009·2	1009·4	−0·6	303·7	305·2	1st	297·4	296·9	2, 8, 25	300·6	+0·7	..	494	− 61
970	Ocean Island	0 52	169 36	48·5	1001·5	1007·0	−0·9	304·6	305·5	24th	298·3	296·9	9th	301·4	+0·5	..	218	+ 98
		S.	E.															

JUNE—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1012·6	1016·9	−0·6	300·6	303·6	5th	291·9	288·0	9th	296·2	+0·1	..	110	+ 37
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	1007·7	1013·1	+0·8	301·9	303·7	..	295·4	292·5	..	298·7	..	..	63	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	?302·1	?307·2	1st	285·9	284·1	11th	?291·2	+0·5	*289·6*	?	..
1022	Arequipa	16 22	71 33	2451	762·0	..	+0·6	291·9	294·7	1st	281·9	279·1	28th	286·9	+0·8	..	13	+ 12
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	287	−1	..	5	+ 3
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	294·8	−1·2	..	5	− 8
1026	Cuyaba	15 36	56 0	235	996·2	1023·6	+1·9	298·9	304·3	..	291·3	285·5	..	295·1	−2·0	..	0	− 10
1035	St. Helena	15 57	W 5 40	632	948·0	1021·5	+0·5	291·4	293·6	8th	286·0	284·4	28th	288·7	−0·2	*288·5*	127	+ 34
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	864·5	..	+1·0	291·7	296·9	..	277·5	272·7	..	284·6	−1·0	..	0	− 2
1043	Salisbury, Rhodesia	17 49	31 3	1487	859·8	..	−0·2	292·6	295·1	..	277·9	274·9	..	285·3	−1·1	..	0	− 1
1044	Zomba	15 23	35 18	899	912·6	1015·1	+3·5	294·1	296·9	27th	282·8	280·2	12th	288·4	−1·5	*286·8*	31	+ 20
1045	Tamatave	18 9	49 26	4	1020·7	1021·1	+1·6	..	..	..	291·5	288·8	..	294·5	−0·2	..	453	+184
1046	Tananarivo	18 55	47 32	1400	868·6	..	+0·9	293·1	297·0	1st	282·5	275·5	13th	287·8	−0·5	286·9	14	+ 7
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1014·0	+2·0	301·2	303·6	6th	297·1	295·8	3rd	299·1	−0·2	..	320	+ 92
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·6	1009·2	+0·1	303·0	305·3	..	296·6	294·4	..	299·8	0·0	..	206	+ 57
1058																		
1061	Derby	17 18	123 40	16·2	..	1016·6	−2·5	300·8	304·9	3rd	289·1	281·9	24th	295·0	−0·8	..	24	+ 9
1062	Hall's Creek	18 13	127 46	373·4	..	1018·2	+2·0	299·0	306·2	17th	282·1	273·9	25th	290·6	−1·3	..	0	− 7
1063	Port Darwin	12 28	130 51	29·6	..	1014·0	+2·2	302·7	304·8	27th	292·5	292·4	23rd	297·6	−1·6	*296·4*	0	− 4
1064	Daly Waters	16 16	133 23	213	..	1016·2	..	300·3	303·6	3rd	284·2	279·7	24th, 25th	292·2	−2·0	*291·5*	0	− 9
1065	Mein	13 13	142 57	121·9	..	1013·4	..	301·1	303·3	20th	290·2	285·5	12th, 13th	295·7	..	..	4	− 2
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1016·8	..	299·9	303·3	5th	284·3	276·9	14th	292·1	..	..	0	− 10
1067	Samarai	10 37	150 40	6·4	1012·5	1013·2	+0·6	300·1	..	..	297·0	..	..	298·6	−0·1	..	312	− 61
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	301·3	305·0	9th	290·1	285·5	29th	295·7	..	..	22	..
1071																		
1072	Suva, Fiji	18 8	178 26	14·8	..	1014·6	−0·7	299·6	303·0	11th	293·9	290·8	2nd	296·8	0·0	..	198	+ 58
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

JUNE—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	297·7	299·4	14th, 15th	292·2	288·3	10th, 22nd	294·9	..	..	61	− 21
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1012·7	1016·2	..	295·3	297·2	2nd, 9th	288·9	283·9	6th	292·1	..	290·7	241	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1014·3	1017·3	−0·2	290·2	295·0	24th	283·7	280·8	12th	287·0	+1·5	*285·7*	19	− 25
1122	Puerto de Antofagasta	23 39	70 25	10	1014·8	1016·0	+1·2	295·1	296·4	19th	283·7	283·0	sev. dates	289·4	−0·5	*288·3*	45	+ 45
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	..	289·3	−1·4	*284·5*	0	− 35
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	55	− 22
1127	Curityba	25 26	49 16	908	917·8	1023·5	+1·3	289·3	296·4	..	278·0	268·5	24th	283·7	−1·7	*283·5*	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1012·4	1020·1	+0·7	..	..	..	..	..	..	292·1	−1·7	..	93	+ 46
1139	Windhuk	22 34	E17 5	1665·3	838·6	..	..	291·7	293·7	10th	278·5	271·1	27th	285·1	−1·2	285·1	0	0
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	287·3	290·7	21st	276·4	269·1	27th	281·9	−1·3	*281·4*	0	− 2
1142	Kimberley	28 43	28 46	?1232	890·6	..	+2·2	289·2	..	..	275·4	..	..	282·3	−0·9	281·5	22	+ 14
1142a	Pretoria	28 43	28 46	?1232	..	..	..	291·8	297·8	7th	274·2	268·2	30th	283·0	−1·1	..	0	− 2
1143	Durban	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1144	Lorenzo Marques	29 51	31 0	79·9	..	1025·8	+3·0	296·5	301·5	14th	284·9	281·4	28th	290·7	−1·3	290·1	3	− 10
1147	Mauritius	20 6	57 33	54·3	1011·7	1018·2	−0·8	297·7	299·8	15th	289·6	285·7	11th, 12th	293·7	−0·1	293·4	98	+ 33
1148																		
1159	Onslow	21 43	114 57	4·3	..	1017·6	+2·1	296·6	301·8	28th	284·3	278·1	19th	290·4	−1·3	..	31	− 16
1160	Peak Hill	25 38	118 47	588·3	..	1019·7	+2·0	291·1	296·6	29th	280·8	275·8	18th	285·9	−0·7	..	17	− 22
1161	Nullagine	21 53	120 5	385·6	..	1019·5	+2·5	294·4	299·5	1st	282·4	272·8	25th	288·4	−0·9	..	34	+ 5
1162	Laverton	28 40	122 23	466·3	..	1022·9	+3·0	289·9	294·0	28th	278·8	273·3	21st	284·3	−0·4	..	29	0
1163	Alice Springs	23 38	133 37	587·0	..	1021·2	+1·6	292·2	302·6	15th	277·6	268·6	24th	284·8	−0·6	*284·6*	0	− 15
1164	William Creek	28 55	136 21	76·2	..	1023·1	..	290·8	299·9	16th	278·6	272·4	26th	284·7	..	*284·5*	6	− 11
1165	Boulia	22 55	139 38	145·7	..	1019·5	..	295·2	304·1	17th, 18th	280·2	273·9	22nd	287·7	..	..	0	− 10
1166	Mitchell	26 32	147 52	337·1	..	1020·2	..	292·3	302·4	17th	271·9	265·8	23rd	282·1	..	..	0	− 38
1167	Rockhampton	23 24	150 30	11·3	..	1019·9	..	297·3	301·9	17th	281·3	275·2	23rd	289·3	..	..	0	− 47
1168	Brisbane	27 28	153 2	41·7	..	1019·6	+1·9	294·4	299·0	19th	281·8	277·8	1st	288·1	−0·4	..	2	− 64
1169	Noumea	22 16	166 27	9	1013·3	1014·4	..	298·6	302·0	9th	290·8	288·8	16th, 19th	294·7	+0·3	..	22	− 81
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	101	+ 51
		S.	E.															

JUNE—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220																		
1221	Juan Fernandez	33 37	78 50	10	1023·1	1024·3	+7·7	288·4	291·6	22nd	..	..	..	286·6	−0·5	..	56	−152
1222	Punta Angeles, Valparaiso	33 1	71 38	40	1013·1	1018·0	+1·6	287·6	291·0	8th	280·8	276·5	31st	284·2	−2·5	*283·7*	103	− 46
1223	Santiago	33 27	70 42	520	957·1	1019·1	+0·8	288·3	296·2	21st	274·9	270·1	19th	281·6	−1·9	280·0	45	− 36
1224	Cordoba	31 25	64 12	439	970·0	1022·6	+3·6	..	..	..	..	..	..	283·0	−0·7	..	1	− 6
1225	Buenos Ayres	34 16	64 11	25·2	1018·2	1021·3	+2·8	..	..	..	..	..	..	280·8	−2·8	..	47	− 24
1226	Montevideo	34 52	W56 12	29·3	1016·8	1020·4	+2·9	285·4	292·4	7th	276·7	269·0	5th	281·0	−2·8	282·2	23	− 35
1239	Cape Town	33 56	E18 29	9	..	1023·5	+3·2	291·3	300·2	21st	282·1	275·8	15th	286·7	+0·5	*285·0*	116	− 2
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	53	..
1241	Heidelberg	34 5	20 58	1541	856·2	..	+2·6	288·9	292·7	..	270·3	262·2	..	279·6	−1·8	..	0	− 37
1242	East London	33 2	27 55	10·1	1022·3	1023·5	+3·2	292·8	303·6	20th	281·0	278·0	29th	286·9	−2·2	..	16	− 12
1259	Perth (Observatory)	31 57	115 51	60·0	..	1022·1	+4·3	290·4	293·7	24th	280·9	276·3	18th	285·7	−0·9	..	91	− 78
1260	Katanning	33 42	117 35	309·7	..	1020·8	+4·2	288·2	291·5	14th	277·9	273·8	19th, 21st	283·1	−0·4	..	50	− 22
1261	Coolgardie	30 57	121 10	423·3	..	1022·6	+3·8	289·0	292·6	25th	278·4	274·2	21st	283·7	−0·6	..	33	+ 2
1262	Eucla	31 45	128 58	4·6	..	1021·6	+3·0	291·7	297·2	15th	280·3	276·2	5th	286·0	−0·3	..	39	+ 10
1263	Streaky Bay	32 48	134 13	13·1	..	1022·3	+3·2	288·7	292·4	28th	282·1	277·7	28th	285·4	0·0	..	66	− 8
1264	Adelaide	34 56	138 35	42·7	..	1021·6	+2·5	287·9	291·7	15th	281·3	277·4	23rd	284·6	−0·3	*284·5*	64	− 12
1265	Melbourne	37 49	144 57	35·1	..	1018·6	+0·2	285·3	289·2	17th	279·2	274·6	29th	282·3	−0·9	*281·9*	95	+ 41
1266	Bourke	30 13	145 58	110·1	..	1022·7	+1·7	290·2	297·4	16th	276·7	270·1	23rd	283·4	−1·7	..	5	− 23
1267	Sydney	33 51	151 13	44·5	..	1018·0	+0·1	288·4	291·5	16th	280·8	276·8	24th	284·6	−0·8	..	5	− 129
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	180	− 28
1271	Auckland	36 50	174 50	38·1	..	..	..	288·0	290·5	23rd	281·7	276·6	26th	284·8	−0·3	..	137	+ 17
1272																		
		S.	E.															

JUNE—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	58	..	..	..	284·9	288·6	twice	279·2	271·9	29th	282·1	+0·8	..	94	+ 34
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	278·9	277·0	17th, 29th	282·0	+0·5	*281·7*	85	−178
1322	Punta Galera	40 1	73 44	40	1015·1	1020·0	+6·0	285·5	288·0	30th	280·0	277·4	17th	282·8	0·0	*282·2*	167	−200
1323	Bahia Blanca	38 45	W62 12	20	1016·1	1018·5	+3·3	..	..	..	..	..	..	281·5	−0·4	..	7	− 22
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1012·8	−1·5	283·8	288·0	16th	277·8	273·6	22nd	280·8	−0·4	*280·2*	48	− 8
1366	Launceston	41 27	147 10	9·4	..	1014·4	..	284·8	287·9	18th	276·1	270·4	22nd	280·4	−0·6	..	124	+ 37
1369																		
1370	Dunedin	45 52	170 31	90	..	1009·3	−2·9	282·2	286·9	twice	276·8	271·3	26th, 27th	279·5	+0·1	..	160	+ 75
1371	Christchurch	43 32	172 38	7·6	..	1010·8	−3·7	284·2	292·2	2nd	276·2	270·1	27th	280·2	+0·5	..	191	+119
1372	Wellington	41 16	174 46	33·5	..	1010·7	−3·2	285·7	289·7	3rd	281·1	274·9	16th	283·4	+0·7	..	122	− 7
		S. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

JUNE—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	999·9	1006·6	+8·2	288·7	291·2	14th	276·7	273·0	var.	282·7	+4·5	*280·0*	368	+145
1422	Puerto de Punta Arenas	53 10	70 54	4	1006·2	1006·7	+6·6	279·9	285·4	30th	275·3	270·9	25th	277·6	+2·1	277·7	40	+ 11
1423	Punta Dungeness	52 24	68 25	5	1004·7	1005·3	+3·1	280·2	283·8	30th	..	..	..	..	+2·7	*278·6*	5	− 15
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1004·7	+3·8	278·9	282·4	4th	275·1	270·2	26th	277·0	+0·4	277·2	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	1000·0	1000·5	+2·2	273·5	280·7	18th	268·5	264·4	22nd	271·0	−0·5	*271·1*	141	+ 46
1430		S.	W.															

JUNE—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	995·2	996·1	+1·2	270·5	274·6	..	264·2	253·0	..	267·3	+4·1	267·4	40	+ 11
1528																		

JUNE—ZONE 16. Between Latitude 70° S. and 80° S.

1605	Framheim	S. 78 38	W. 163 37	11·1	977·6	979·2	..	..	262·4	6th	..	214·8	25th	238·8	..	..	..	..
1669																		
1670	Cape Evans(McMurdo Sound)	S. 77 38	E. 166 24	18	..	985·8	−3·5	..	266·3	..	..	235·5	..	..	−0·9	247·7	..	..
1671	Cape Adare	71 18	170 9	..	..	985·9	..	..	260·8	..	..	235·8	..	..	..	246·3	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JUNE 1911.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805.		Sierra Leone. 834.		Malden Island. 905.		Tulagi. 969.	Ocean Island. 970.		Suva, Fiji. 1072.	
			Direction and Force.		Direction and Force.		Direction and Force.		Direction and Force.	Direction and Force.		Direction.	Mean Velocity, 24 hrs. ending 9 a.m.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	m/s.
1	SSE	7·5	W 2	NE 2	NE 3	W 5	E 3	E 3	ESE 5	SW 2	SW 2	NE	4·7
2	SE	6·8	E 4	E 4	NE 3	Calm 0	E 4	E 2	SE 4	W 3	E 1	NE	1·4
3	SE by S	8·7	E 4	E 4	Calm 0	Calm 0	E 3	E 3	SE 6	W 4	SW 3	Calm	4·2
4	SE	6·3	SE 4	SE 2	Calm 0	W 3	E 3	E 2	SE 5	W 3	SW 2	Calm	1·1
5	SE by E	6·1	SE 2	E 4	NE 3	Calm 0	E 3	E 2	SE 5	W 3	W 2	N	0·8
6	SE by S	2·6	SE 4	SE 4	Calm 0	W 3	E 5	E 3	SE 4	SW 2	S 2	NE	1·2
7	SE	2·4	SE 4	SE 4	N 3	W 5	E 4	E 3	SE 4	SW 2	SW 2	NW	1·7
8	E	2·3	SE 4	SE 4	N 3	W 3	E 3	E 4	SE 2	W 3	W 2	NW	1·2
9	S by E	2·4	SE 4	NE 2	NE 3	W 3	E 3	E 2	Calm 0	W 2	W 3	NE	2·9
10	E	5·6	SE 2	NE 2	N 3	W 3	E 2	E 2	SE 6	W 2	W 3	NW	2·5
11	SE	5·6	NE 2	E 2	N 3	W 3	E 3	E 1	SE 3	W 2	W 3	NW	0·3
12	SE by E	5·1	E 2	E 4	W 3	W 3	E 3	E 5	Calm 0	E 2	E 2	Calm	3·8
13	SE	6·5	SE 4	Calm 0	Calm 0	W 3	E 3	E 1	SE 4	E 2	E 2	NW	5·5
14	SE by S	6·3	SE 4	Calm 0	NE 5	Calm 0	E 2	E 2	SE 6	E 2	E 3	SE	4·7
15	SE	7·3	SW 4	NW 2	W 3	Calm 0	E 3	E 2	SE 5	E 3	E 2	Calm	4·4
16	ESE	5·6	N 2	Calm 0	Calm 0	NW 3	NE 3	E 3	SE 4	E 2	E 4	Calm	2·0
17	ESE	2·4	NE 2	SE 2	Calm 0	Calm 0	E 3	E 4	SE 5	E 2	E 2	Calm	1·5
18	ESE	1·9	SE 4	NE 4	W 3	W 3	E 3	E 4	SE 5	E 3	E 2	Calm	0·8
19	S by E	3·2	SE 2	E 2	NE 3	SE 3	E 4	E 3	SE 4	E 4	E 2	S	2·4
20	SSE	6·9	SE 2	SE 4	Calm 0	Calm 0	E 4	E 2	SE 5	E 2	E 3	E	4·4
21	SE by S	5·5	SE 2	Calm 0	Calm 0	W 3	E 4	E 1	SE 3	E 2	E 3	N	2·3
22	SSE	3·9	SE 2	SE 2	Calm 0	SE 3	SE 2	SE 3	SE 3	E 2	E 2	N	1·6
23	SSE	4·4	SE 2	S 2	Calm 0	W 5	SE 2	SE 1	SE 5	E 4	E 2	N	2·4
24	ESE	5·4	S 2	S 2	Calm 0	SE 3	SE 2	SE 2	SE 5	E 2	E 2	Calm	1·4
25	ESE	6·6	SW 2	SW 2	N 3	SE 5	E 2	E 2	SE 4	E 2	E 2	NE	3·4
26	ESE	8·1	SW 2	SW 2	NE 3	W 3	E 2	SE 2	ESE 5	E 2	SE 3	E	3·1
27	SE	9·0	S 2	Calm 0	W 3	W 3	Var. 2	SE 3	SE 3	E 2	SE 2	NE	7·0
28	SSE	9·2	S 2	Calm 0	Calm 0	W 3	E 3	E 4	ESE 4	W 3	S 2	Calm	7·4
29	SE	10·1	S 2	Calm 0	NE 3	W 3	E 3	SE 5	SE 2	W 4	W 3	Calm	1·2
30	SE	11·2	E 2	E 2	Calm 0	W 3	E 3	E 3	SE 2	W 6	W 4	SW	1·6
Mean for Month	..	5·8	..	2·7	..	1·8	..	3·0	..	..	2·7	..	2·8
Deviation from Normal	..	−0·9	..	2·1	..	2·6	..	2·6	3·9	..	2·4	..	..
								−0·3					

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JUNE 1911.

**The Seas round Novaja Zemlja and Spitsbergen.*—"The White Sea was ice-free. The ice-edge lay W. of Kolguev, along 35° E. to 75° N.; there was scattered ice outside the edge throughout. Several screwings about 10 m. high were observed. Bear I. was blocked by scattered belts of winter ice throughout; thence the edge ran to South Cape, Spitsbergen, and formed a scattered belt up the W. coast, broadening N. In Storfjord drift ice was seen."

**Greenland Sea.*—"North of Jan Mayen and Iceland the ice showed the usual large bays and tongues in lat. 70° to 75°."

**Iceland.*—"The coast became ice-free on 15th, but the firm edge lay close on the 25th, only 20 miles off-shore from Langenæs to Skagen. Around Grimsey the ice was packed and lay closer. It left the east coast on 1st, lying 50 miles off-shore, its E. edge reaching 8° E.; later it drifted rapidly N. to 67° N., 9° E., on 19th."

**Denmark Strait.*—"The 'Storis' left Angmagsalik in the middle of the month, and did not return again during the summer."

North Atlantic and Labrador.—"On the Newfoundland Banks were several icebergs, limits 40° 30′ N. and 41° 18′ E., but no floes. At first was heavy, close-packed ice in Belle Isle Strait; off Belle Isle were several icebergs and some scattered ice."

**Davis Strait.*—"The Coast from Cape Farewell to Nanortalik was almost ice-free; around Arsuk it was open, with very many icebergs; further N. ice-free. A mass of 'Storis' S. of Cape Farewell, extending to 58° N., 43° W., had by 10th reached Nunarsuit, rather scattered. On 10th the ice left the harbour of Godthavn and the N.E. part of Disko Bay, being uncommonly late. On 21st the winter ice in Umanak fjord still lay close packed and unbroken to 2 miles off Niakornat. The edge of the W. ice, heavy and close-packed, extended from N. of Hare I., past Svartenhuk Pen., to Upernivik, but along the coast was only scattered winter ice and west ice."

**Baffin Bay.*—"The North part of Melville Bay had firm ice. North of Tom I. the ice was impenetrable. There was open water far into Smith Sound."

**Behring Sea.*—"Scattered floes lay off Nounivak I., Cape Romanzoff, and east of St. Lawrence I. Broken ice from Yukon R. lay near Nome."

* *Isforholdene i de arktiske Have, 1911*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JULY 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JULY 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. JULY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1013·5	1014·3	..	..	..	..	..	..	..	277·3	..	*277·1*	4	..
124																		
125	Upernivik	72 47	W56 7	18·9	1013·0	1015·3	+4·4	282·6	289·0	25th	274·5	270·0	3rd	278·6	+0·2	*278·7*	4	−20
126																		
139	Spitsbergen	78 2	E 14 14	11·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1011·8	1012·4	+0·9	..	297·8	27th	279·9	276·3	17th	..	−0·8	*282·2*	104	+53
142	Mehavn	71 1	27 47	6·4	1011·8	1012·3	..	..	297·1	29th	280·9	276·9	17th	..	..	*283·3*	57	+ 9
143	Vardö	70 22	31 8	10·0	1011·9	1012·7	+0·7	..	292·9	29th	279·2	276·8	24th	..	−0·1	*281·5*	42	− 5
144																		
		N.	E.															

Between Latitude 70° N. and 60° N. JULY—ZONE 2.

209	Dawson	64 4	139 20	321	978·9	1016·5	+1·3	296·4	301·3	3rd, 5th	280·9	275·8	21st	288·7	+0·3	..	35	..
210	Carcross	60 11	134 34	662	..	..	..	..	..	..	..	..	..	..	..	..	..	..
211																		
212	Fort Simpson	61 52	120 43	129	1000·7	1016·2	..	297·3	301·3	..	283·6	278·7	..	290·4	..	*291·2*	0	..
213																		
214	Hay River	60 51	115 20	161	997·0	1016·2	..	293·0	300·0	23rd	280·9	276·8	28th	286·9	..	..	19	..
225																		
226	Jacobshavn	69 13	51 2	12·6	1012·0	1013·5	+3·0	283·8	289·4	25th	277·8	274·7	4th	280·8	−0·3	*280·5*	14	−14
229	Godthaab	64 11	51 44	9	1010·0	1011·1	+1·2	..	..	..	276·8	273·2	2, 3, 4	..	..	*279·8*	9	−51
230	Angmagsalik	65 37	37 34	31·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
231																		
232	Stykkisholm	66 5	22 46	11·3	1011·9	1013·3	+3·1	285·0	293·3	12th	280·0	276·7	1st	282·5	−0·3	*282·5*	35	+ 1
233	Vestmanno	63 26	20 15	7·7	1012·6	1013·5	+3·3	285·7	288·4	21st	280·0	275·6	27th	282·9	−1·4	*282·3*	97	+19
234	Grimsey (Akureyri)	66 33	17 58	6·8	1012·8	1013·6	+3·0	284·2	297·1	11th	276·6	272·8	2nd	280·4	+0·3	*280·2*	25	− 5
235	Berufjord	64 40	14 19	18	1010·8	1013·0	+2·7	286·3	293·7	12th, 13th	278·2	274·2	3rd	282·3	+0·2	*281·8*	35	−25
236	Thorshavn	62 3	W 6 45	25·7	1012·8	1015·9	+5·3	286·4	293·9	12th	280·9	276·9	3rd	283·7	−0·1	..	68	−24
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1013·0	1018·1	+7·1	..	303·0	30th	283·9	279·1	18th	..	−0·3	*287·1*	67	−91
239	Christiansund	63 7	7 45	17·8	1014·4	1015·6	+4·7	..	299·4	28th	283·7	280·1	17th	..	−0·2	*285·9*	104	+26
240	Trondhjem	63 26	10 25	39·5	1011·8	1015·9	+5·2	..	300·6	28th	283·2	278·9	19th	..	−0·5	*286·5*	50	−17
241	Bodö	67 17	14 24	20·5	1011·9	1014·1	+3·5	..	296·4	27th	281·6	278·0	16th	..	−1·4	*284·2*	113	+42
242	Haparanda	65 50	24 9	9·2	1011·1	1012·2	+2·2	291·0	297·0	31st	283·0	278·0	5th, 16th	287·0	−1·0	*286·9*	67	+21
242a	Helsingfors	60 10	24 57	11·7	..	1014·0	+3·6	..	298	..	..	281	..	288·8	−1·3	*288·3*	40	−20
	Kuopio	62 54	27 40	99·7	..	1013·5	+2·8	..	300	..	..	280	..	288·2	−2·4	*287·6*	75	..
243																		
244	Kola	68 53	33 1	6·7	1012·0	1012·8	+2·5	..	296·6	29th	281·1	276·3	14th	285·8	0·0	*285·5*	73	+38
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	299·4	2nd	283·2	278·2	11th	288·1	−2·0	*287·6*	..	..
246	Arkhangelsk	64 33	40 32	6·7	..	1012·6	+2·4	..	299	..	..	275	..	286·5	−2·7	*286·0*	106	+51
247	Velsk	61 5	42 7	? 87	1002·0	1012·4	..	..	300·4	3rd	282·8	278·1	13th	288·0	..	*287·5*	123	..
248	Oust-Tsylma	65 27	52 10	? 25	..	1012·2	+2·1	..	302	..	..	275	..	288·5	+0·3	*288·0*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	998·0	1012·5	..	..	303·2	4th	284·4	278·0	18th	292·3	..	*291·8*	48	..
249																		
250	Berezov	63 56	65 4	39·9	1008·4	1013·1	+4·1	..	301·4	6th	287·5	277·8	29th	292·4	+2·8	*291·9*	52	−10
251	Obdorsk	66 31	66 35	24·2	1010·4	1013·3	+5·0	..	302·2	21st	285·6	276·8	28th	290·7	+3·4	*290·2*	26	−15
252	Sourgout	61 15	73 24	40	1008·0	1012·7	+5·0	..	303·4	22nd	286·5	277·8	29th	293·7	+3·9	*293·1*	49	−19
253																		
254	Touroukhansk	65 55	87 38	? 40	1007·2	1011·9	+1·7	..	303·9	18th	285·3	277·2	3rd	290·9	+2·1	*290·5*	31	−22
	Doudinka	69 7	87 0	? 20	1008·4	1010·8	..	..	300·9	21st	283·0	274·8	7th	287·4	..	*287·1*	36	..
261																		
262	Olekminsk	60 22	120 26	? 202	992·4	1016·2	+3·3	..	304·4	29th	283·3	275·5	17th	290·5	−1·7	*290·1*	34	..
263	Iakoutsk	62 1	129 43	? 108	996·4	1009·2	+4·0	..	302·8	31st	283·3	276·8	17th	289·3	−3·2	*288·9*	21	−29
264	Verkhoiansk	67 33	133 24	? 100	991·9	1003·6	−0·2	..	304·3	30th	283·4	276·7	13th	290·3	+1·4	*290·0*	..	..
	Oust-Maiskoe	60 25	134 29	? 100	..	..	..	..	299·8	31st	281·6	275·4	8th	289·1	..	*288·7*	28	..
271																		
272	Markovo sur Anadyr	64 45	170 50	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Novo-Mariinskii Post	64 45	177 33	? 3	..	..	..	..	..	..	..	..	..	..	..	..	10	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JULY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
307																		
308																		
309		N.	W.															
310	Prince Rupert	54 18	130 18	52	1012·8	1019·0	..	290·1	301·3	..	283·0	277·4	..	286·6	..	..	153	..
311	Barkerville	53 2	121 35	1274	..	1018·0	..	290·7	298·6	24th	278·3	273·0	12th	284·5	−1·0	*284·5*	54	−23
312	Kamloops	50 41	120 29	379	..	1014·4	+0·2	302·1	310·5	15th	286·1	281·3	12th	294·1	+0·2	*294·0*	20	−12
313	Calgary	51 2	114 2	1033	..	1015·4	+3·9	293·4	304·1	25th	280·1	273·6	5th	286·8	−2·2	*287·2*	55	−11
314	Fort Chipewyan	58 42	111 10	218	987·3	1013·0	..	293·6	302·4	24th	283·0	276·9	29th	288·3	..	*289·0*	43	..
315	Prince Albert	53 10	106 0	436	960·2	1011·1	+0·6	294·1	302·0	25th	281·5	276·9	24th	287·8	−1·9	*288·2*	50	−11
316	Qu'Appelle	50 30	103 47	645	937·9	1012·5	−0·3	292·9	299·1	26th	281·6	274·7	17th	287·2	−3·5	*287·4*	78	+9
317	Minnedosa	50 15	99 50	515	952·1	1011·8	..	295·2	304·6	..	282·2	275·9	..	288·7	−1·9	*288·4*	52	−15
318	Berens River	52 18	97 23	216	..	..	..	295·1	301·3	..	285·3	276·9	..	290·2	..	*289·8*	124	..
318a	Fort Churchill	58 51	94 11	9	1008·0	1009·1	..	289·3	301·9	..	279·8	274·7	..	284·6	−0·3	..	..	..
319	Fort Hope	51 32	87 48	..	977·2	..	..	294·1	304·1	9th	283·3	274·7	23rd	288·7	..	..	99	..
320	Moose Factory	51 16	80 56	9	1001·9	1002·9	..	297·3	306·9	10th	285·1	278·0	20th	291·2	..	..	66	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	1005·9	1007·8	−0·7	284·8	296·9	..	277·2	274·0	..	281·0	−0·6	..	152	..
324	Nain	56 33	61 41	4·2	1009·4	1009·9	+1·0	288·0	295·4	..	277·6	273·3	..	282·8	−1·1	..	91	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	295·2	15th	..	281·9	4th	288·1	−2·4	..	75	−14
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1019·5	1021·1	+4·9	293·0	300·2	13th	285·8	282·4	12th	289·4	+1·6	289·5	108	+10
335	Aberdeen	57 10	2 6	27·4	1016·2	1019·4	+6·5	291·5	298·6	5th	283·6	279·1	10th	287·6	+1·1	287·6	38	−36
336	Greenwich	51 28	W 0 0	48·5	1016·2	1021·9	+6·2	300·3	308·6	22nd	285·8	280·8	16th	293·0	+2·6	292·6	7	−54
337	Uccle	50 48	E 4 22	100	1009·3	1021·1	+5·2	299·5	308·6	28th	286·5	278·2	4th	293·0	+2·5	292·8	8	−70
338	De Bilt	52 6	5 11	3·0	1020·8	1021·2	+6·4	297·2	308·6	29th	286·1	276·9	4th	291·7	+2	291·6	21	−54
338a	Hamburg	53 33	9 59	26·0	1017·1	1020·2	+6·5	295·7	305·1	30th	287·2	281·9	3rd, 4th	291·5	0·0	290·9	36	−55
339	Copenhagen	55 41	12 36	5·0	1018·0	1018·6	+5·8	292·9	299·5	15th	286·5	282·3	3rd	289·7	+0·1	*289·7*	57	−64
340	Potsdam	52 23	13 4	84·9	1009·8	1019·8	+5·1	299·2	308·7	23rd	286·6	280·2	4th	292·9	+2·3	292·5	24	−26
340a	Upsala	59 51	17 38	24·0	1012·4	1015·2	+5·0	294·8	305·5	31st	282·3	277·3	19th	288·6	−0·3	288·9	44	−38
341	Warsaw	52 15	21 1	127	1003·9	1018·9	+5·5	296·5	303·4	24th	286·7	281·7	12th	291·6	−1·9	*291·2*	36	+16
342	Jurjev	58 23	26 43	74·5	1005·9	1014·8	+4·1	293·3	299·7	..	282·3	278·4	..	287·8	−3·1	288·0	101	..
343	Petrograd	59 56	30 16	4·8	..	1013·5	+3·2	..	298	..	..	280	..	289·2	−1·8	*288·9*	60	−10
344	Kiev	50 27	30 30	182·9	..	1015·6	+3·7	..	304	..	..	281	..	290·6	−2·2	*290·0*	49	−26
344a	Moscow	55 45	37 34	156	..	994·6	1013·1	+2·5	294·4	306·0	3rd	285·0	279·4	12th	289·7	−3·5	289·4	74	+23
345	Saratov	51 32	46 3	59·9	..	..	1010·8	+1·9	..	312	..	..	285	..	298·1	+2·2	*297·5*	27	−47
346	Kazan	55 47	49 8	79·8	1002·0	..	1011·4	+1·8	..	312·4	4th	..	282·2	14th, 18th	295·4	+2·3	*295·0*	107	−17
347	Orenburg	51 45	55 6	114·1	..	..	1012·7	+2·9	..	312	..	..	286	..	299·3	+4·1	*298·7*	28	+7
348	Perm	58 1	56 15	163·0	..	..	1013·1	+4·0	..	308	..	..	280	..	294·3	+2·2	*293·7*	67	
349	Ekaterinburg	56 50	60 38	288·9	..	1014·2	+5·5	..	308	..	..	277	..	293·9	+2·9	*293·3*	41	−34
350	Tobolsk	58 12	68 14	108·3	1001·4	1014·1	..	..	307·1	6th	288·2	278·5	29th	295·0	+2·4	*294·4*	10	−64
351	Akmolinsk	51 12	71 23	? 347	970·7	1009·5	+1·3	..	309·2	14th	286·9	280·0	31st	295·1	+0·9	*294·5*	22	−15
352	Omsk	54 58	73 23	87·3	1001·4	1011·6	+4·0	..	309·0	14th	287·4	279·6	30th	295·3	+2·9	*294·7*	33	−25
353	Barnaoul	53 20	83 47	157·7	991·0	1009·4	+2·2	..	305·9	17th	286·5	279·2	1st	292·4	−0·8	*291·8*	108	+59
354	Tomsk	56 30	84 58	121·6	995·8	1010·1	+3·1	..	303·8	17th	286·9	278·5	5th	292·7	+0·4	*292·1*	39	−35
355	Minousinsk	53 43	91 41	? 255	979·2	1008·6	..	..	307·4	17th	287·6	280·0	31st	294·1	..	*293·5*	42	−3
356	Eniseisk	58 27	92 11	84·4	1000·3	1010·2	+3·2	..	306·6	17th	287·0	278·0	30th	295·1	+2·2	*294·5*	27	−32
357	Irkutsk	52 16	104 19	467·0	954·2	1008·7	+2·0	..	302·0	14th	284·2	277·9	2nd	291·6	0·0	*291·1*	83	+12
358	Kirensk	57 47	108 7	? 263	979·2	1009·7	..	..	303·9	14th, 26th	283·8	278·2	2nd	291·9	..	*291·4*	48	..
359	Tchita	52 2	113 30	673·8	929·8	1005·9	..	..	306·4	10th	283·4	276·8	3rd	292·4	..	..	37	−90
360	Blagoveshchensk Priisk	58 10	114 17	? 490	953·2	1009·7	..	..	303·6	27th	280·4	273·1	18th	290·4	..	*289·9*	37	−97
360a	Nertchinsk	51 59	116 35	484·3	949·8	1004·8	..	..	308·1	10th	285·1	278·9	22nd	293·7	−1·6	*293·3*	15	
361	Tygan Ourkan	54 5	124 46	? 370	964·7	1007·7	..	..	301·5	13th	281·0	272·5	11th	289·5	..	*289·1*	143	..
362	Blagoveshchensk	50 15	127 38	? 160	..	1011·5	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	301·6	14th	284·4	278·3	28th	290·9	..	*290·5*	161	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1007·4	1009·9	+2·8	..	297·0	6th	283·5	274·3	27th	288·6	−1·5	*288·3*	50	−2
366	Okhotsk	59 21	143 17	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk Phare	52 53	158 47	87·1	1002·0	1012·6	+3·6	..	294·2	7th	280·8	278·4	3rd	283·0	−4·0	..	40	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

JULY—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1017·9	+1·7	296·1	304·9	16th	283·6	280·1	4th	289·8	+0·8	289·3	4	−5
412	Portland, Oregon	45 32	122 41	46·6	1011·8	1017·3	−0·3	300·3	310·2	24th	287·4	281·3	9th	293·8	+1·8	*293·5*	0	−14
413	Macleod	49 44	113 24	954	..	..	..	296·7	305·2	26th	281·7	277·4	5th	289·2	−1·3	*289·6*	70	+47
414	Helena	46 34	112 4	1253	876·0	1015·9	+2·4	298·6	306·9	6th	282·4	277·4	31st	290·5	−1·7	*290·9*	17	−10
414a	Salt Lake City	40 46	111 54	1331	868·5	1013·5	+1·0	302·8	306·9	14th	290·0	280·8	1st	296·4	−1·1	*297·0*	1	−13
415	Cheyenne	41 8	104 48	1856	817·3	1015·2	+2·0	298·3	303·0	29th	284·1	278·6	25th	291·2	−1·5	*291·4*	31	−20
416	North Platte	41 8	100 45	860	918·4	1015·9	+2·4	303·1	310·2	4th	288·1	279·1	25th	295·6	−0·7	*295·7*	84	+16
416a	Bismarck	46 47	100 38	510·2	955·7	1015·2	+1·7	300·6	310·2	7th	284·3	278·6	25th	292·4	−1·8	*292·5*	29	−26
417	Winnipeg	49 53	97 7	231·6	..	1012·6	−0·2	297·1	303·1	1st	284·7	279·3	16th	290·9	−0·9	*290·2*	75	−9
418	Duluth	46 47	92 6	345·3	972·8	1013·2	−1·0	296·8	306·3	1st	285·4	280·2	16th	291·1	−0·8	*291·1*	148	+55
419	Port Arthur	48 27	89 12	196·3	..	1012·1	−2·1	296·4	307·4	2nd	283·8	278·6	16th	290·1	+0·3	*290·0*	77	−21
420	Chicago	41 53	87 37	250·9	986·4	1015·6	+0·3	301·6	311·9	5th	293·3	284·7	25th	297·4	+2·0	*297·2*	67	−25
421	Toronto	43 40	79 24	106·7	..	1014·8	+0·3	301·1	312·6	3rd	288·9	281·7	27th	295·0	+1·4	294·7	66	−8
422	New York	40 43	74 0	96	1004·9	1015·9	+0·7	301·7	309·7	3rd	293·2	289·7	28th	297·4	+1·2	298·3	39	−76
423	St. John, N.B.	45 17	66 4	21·3	..	1014·9	+1·4	295·6	300·5	10th	287·1	284·9	26th, 27th	291·3	+2·1	*290·9*	67	−6
424	S. W. Point, Anticosti	49 24	63 35	9	1011·5	1012·6	+1·4	291·1	294·9	..	285·0	280·8	..	288·1	..	..	94	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1016·3	1017·2	..	292·6	297·4	..	287·1	284·1	..	289·8	..	..	58	..
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1014·7	+0·5	293·2	301·3	26th	284·5	279·7	3rd, 6th	288·8	+0·9	..	52	−40
435	Madrid	40 24	3 41	655·4	943·6	1017·1	+2·3	307·1	311·8	15th	289·5	284·4	31st	298·3	+0·3	298·0	45	+34
436	Nantes	47 15	W 1 34	41·4	1015·8	1020·7	+2·5	302·3	309·0	22nd	287·6	280·2	3rd	295·0	+2·8	*294·7*	62	+5
437	Paris (Pare St. Maur)	48 49	E 2 29	50·3	1014·9	1020·7	+3·9	301·1	308·7	23rd	286·7	279·2	3rd	293·9	+2·8	294·1	31	−21
438	Marseilles	43 18	5 23	75·0	1009·0	1017·8	+2·7	303·9	306·8	30th	290·9	288·5	16th	297·4	+2·0	*297·3*	4	−17
438a	Zürich	47 23	8 33	493·2	963·5	1020·2	+2·2	..	307·6	24th	..	284·1	4th	293·8	+2·4	293·9	40	−92
439	Rome	41 54	12 29	63·4	..	1017·2	+2·0	303·7	308	sev. dates	292·0	288	8th	297·8	+0·4	*298·0*	36	+17
440	Vienna	48 15	16 22	202·5	995·4	1019·1	+4·3	298·3	303·8	26th	289·2	287·4	4th	293·8	+1·7	293·8	36	+29
440a	Buda-Pesth	47 30	19 2	129·6	1003·1	1018·3	+4·0	301·0	307·1	25th	288·4	282·3	6th	294·7	+1·4	*295·3*	22	−33
441	Bucharest	44 25	26 6	82	1007·1	1016·7	+4·4	302·3	309·5	26th	288·9	282·5	7th	295·6	−0·2	..	35	−37
442	Odessa (University)	46 29	30 46	65·3	1008·6	1016·3	+3·9	299·6	306·2	25th	289·8	285·0	13th	294·7	−1·5	*294·3*	4	−46
443	Kharkov (University)	50 0	36 14	140	..	1014·0	+2·4	..	302	..	..	281	..	291·5	−2·7	*290·9*	64	+4
444	Novorossiisk	44 40	37 49	37	..	1013·4	+1·6	..	304	..	..	286	..	296·2	−1·1	*295·6*	49	+4
444a	Tiflis	41 43	44 48	409	..	1012·4	+2·9	..	308	..	..	288	..	298·1	+0·4	*297·9*	8	−47
445	Astrakhan	46 21	48 2	−14	..	1012·8	+2·8	..	310	..	..	288	..	298·8	−0·2	*298·4*	20	+5
446	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Krasnovodsk	40 0	52 59	−15	..	1010·4	+0·9	..	312	..	..	282	..	303·6	+1·9	*303·2*	..	..
448	Tachkent	41 20	69 18	478·3	953·2	1006·5	+2·2	..	308·5	28th	290·0	282·4	1st	298·5	−2·4	*297·9*	1	−1
449	Irgiz	41 48	61 16	112	996·8	1009·6	..	..	313·2	2nd	..	..	..	300·2	+2·0	*299·6*	10	−6
450	Narynskoe	48 37	76 2	?2015	..	..	..	..	299·3	25th	283·7	279·0	13th	291·6	+1·3	*291·0*	44	+7
451	Vernyi	43 26	76 53	? 835	915·8	1009·1	+5·6	..	306·2	15th	..	..	..	294·6	−1·9	*294·0*	52	+25
461	Mukden	41 48	123 23	43·8	999·2	1004·9	+1·1	300·7	305·4	5th	291·9	288·4	25th	296·3	−1·4	..	311	+169
462	Joshin	40 40	129 11	4·0	1006·3	1006·8	−0·4	296·6	303·0	18th	290·3	287·6	27th, 28th	293·5	+0·4	..	124	+12
463	Vladivostok	43 7	131 54	15·7	1005·6	1007·4	−2·1	..	302·3	18th	288·4	285·6	1st	291·4	−1·8	*291·1*	52	−6
464																		
465																		
466	Ochiai	47 20	142 44	15·0	1009·1	1010·9	..	293·9	304·1	5th	283·3	277·0	3rd	288·6	..	287·9	98	..
	Nemuro	43 20	145 35	26·7	1007·4	1010·6	+0·4	291·1	296·1	31st	283·7	277·5	23rd	287·4	−0·2	287·1	93	+8
		N.	E.															

Between Latitude 40° N. and 30° N.

JULY—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1009·2	1015·2	+1·0	289·6	301·9	1st	283·4	282·4	3rd	286·5	−0·5	*285·8*	0	0
512	San Luis Obispo	35 18	120 39	61·3	1008·1	1015·6	+1·4	296·8	305·2	1st	283·8	281·9	22nd	290·3	0·0	*289·8*	0	0
513	Modena	37 48	113 54	1670	835·7	1012·8	+1·7	302·7	306·9	15th	285·7	280·8	2nd	294·2	+0·3	*294·5*	47	+15
514	San Diego	32 43	117 10	26·5	1010·4	1013·5	+0·3	294·7	306·9	14th	289·2	288·0	10th	292·0	−0·4	*291·8*	3	+3
515	Santa Fé	35 41	105 57	2138	792·1	1013·9	+2·0	296·6	300·2	31st	285·6	283·6	25th	291·1	−2·3	*290·8*	140	+71
516	Denver	39 45	105 0	1613	840·9	1015·6	+2·7	300·6	305·8	10th	287·1	283·0	24th	293·9	−1·2	*294·0*	33	−8
517	Abilene	32 23	99 40	529·7	954·5	1013·9	+0·3	307·3	314·7	23rd	295·1	285·2	31st	301·2	+0·3	*301·0*	162	+101
518	Saint Louis	38 38	90 12	172·8	995·9	1015·9	+0·3	304·2	311·3	4th	294·4	287·4	26th	299·3	+0·2	*299·2*	16	−71
519	Mobile	30 41	88 2	17·4	1016·0	1017·9	+1·7	303·4	306·3	9th	295·8	291·9	26th	299·6	−0·4	*299·0*	191	+13
520	Nashville	36 10	86 47	166·4	998·6	1017·9	+1·7	302·9	309·1	3rd	292·7	286·9	28th	297·8	−1·6	*297·5*	85	−26
521	Charleston	32 47	79 56	14·6	1016·6	1018·3	+1·4	303·7	307·4	21st	296·3	291·3	26th	300·0	−0·3	*299·4*	57	−128
522	Washington	38 54	77 3	34·1	1012·4	1016·2	+0·3	305·0	310·2	3rd	292·9	286·3	19th	298·9	+1·1	*298·6*	114	−4
523																		
524	Bermuda	32 17	64 46	46·0	..	1021·6	+1·6	302·0	303·9	20th	295·4	293·3	10th	298·7	−0·1	..	42	−53
531	Horta	38 32	28 38	30	..	1019·9	−4·6	295·9	300	31st	291·0	289	3rd, 26th	293·4	−0·7	..	91	+48
532	Ponta Delgada	37 44	25 40	17	..	1023·0	−0·8	296·6	299	sev. dates	291·4	289	6th	294·0	−0·3	..	13	+10
533	Madeira (Funchal)	32 37	16 54	25	1018·9	1021·9	+1·3	295·7	297·0	17, 22, 28	287·8	286·0	4th	291·7	−1·3	..	0	−2
534	Lisbon	38 43	9 9	95·4	1006·9	1018·0	+0·6	300·5	309·5	12th	292·0	288·5	3rd	296·2	+1·5	*295·8*	0	−4
535	Casablanca	33 37	7 35	17	1015·8	1017·8	..	296·9	298·4	..	293·1	290·8	..	295·0	+0·1	*295·0*	0	0
536	Gibraltar	36 6	5 21	16	1014·0	1015·8	+0·5	300·2	303·3	28th	..	..	..	295·6	−1·2	*295·6*	0	−1
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JULY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1012·4	1016·9	+2·0	302·7	311·8	29th	294·5	292·0	15th	298·6	+0·3	298·1	1	− 3
538	Palma	39 33	2 42	23	..	1019·0	+1·7	303·8	310	29th	294·3	291	1st	299·0	+1·2	..	0	− 11
538a	Tunis	36 48	10 10	43	1014·7	1019·7	+2·9	305·4	313·2	31st	294·1	280·6	15th	299·8	+1·1	..	16	− 4
539	Malta	35 54	14 31	59	..	1018·6	+1·9	301·7	307	29th	295·3	290	14th	298·5	−0·2	..	0	− 2
540	Catania	37 30	15 3	64·9	1009·7	1017·3	+2·5	303·1	307·7	20th	294·2	289·5	9th	298·7	+0·1	..	15	+ 10
541	Athens	37 58	23 43	107·1	..	1014·2	+1·2	303·2	308	27th	294·5	291	2nd	298·8	−1·6	*298·4*	3	− 4
542	Alexandria	31 9	29 54	32·0	..	1012·2	+2·7	301·4	303	15th, 24th	295·2	294	29th	298·3	−1·3	*297·3*	0	0
543	Cairo (Helwan)	29 52	31 20	115·6	..	1011·2	+1·7	307·2	309	13th	293·6	292	24th	300·4	−0·7	300·0	0	0
544	Nicosia	35 12	33 24	152	..	1008·0	+0·7	309·5	312	15th	291·0	288	4th	300·2	−1·0	..	0	− 2
544a	Beirut	33 54	35 28	52·4	..	1008·8	+1·9	303·5	305	30th	295·6	294	7th	299·6	−0·1	..	0	0
545	Baghdad	33 21	44 28	38·7	997·6	1001·9	+1·5	316·3	320·1	9th	299·1	295·1	25th	307·7	+0·6	..	0	− 24
546	Lenkoran	38 46	48 52	−19	1013·9	1011·7	+1·0	..	304·1	5th	292·7	290·0	4th	298·5	−0·5	*298·3*	1	0
547	Busrah	30 31	47 53	7·6	999·2	999·9	+0·5	312·8	316·1	2nd	302·2	299·3	28th, 29th	307·6	+0·9	..	0	− 2
548	Meshed	36 16	59 35	946	903·8	1007·8	..	305·8	308·2	29th	288·4	285·2	8th	297·2	−1·0	..	0	0
549	Quetta	30 11	67 3	1677	826·9	..	+1·2	306·8	310·6	31st	287·7	283·9	9th	297·2	−1·7	*297·0*	1	− 17
550																		
551	Lahore	31 34	74 20	214	973·3	996·9	− 1·1	314·6	318·8	8th	301·4	296·7	14th	307·9	+2·7	*307·4*	29	− 110
551a	Simla	31 7	77 8	2204·3	776·9	..	+ 0·5	295·6	298·9	7th, 9th	289·4	284·8	23rd	292·5	+1·4	*292·3*	133	− 297
552	Leh	34 10	77 42	3506	663·7	..	− 0·3	296·8	302·4	30th	281·4	277·7	7th, 24th	289·1	−1·9	*288·1*	10	− 2
552a	Dehra Dun	30 20	78 0	681	924·7	997·6	− 1·2	305·3	308·6	5th, 6th	296·9	293·3	14th	301·1	+1·5	*300·5*	112	− 574
559	Hang Kow	30 35	114 17	37·0	999·7	1003·9	+0·2	306·2	310·4	23rd	298·3	294·3	10th	302·3	+0·3	..	137	− 128
560	Tiensin	39 10	117 10	5·0	1003·4	1004·0	+0·4	303·7	307·7	17th	294·4	291·4	3rd	299·1	−1·2	..	118	− 37
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1003·9	1004·7	−0·1	304·1	309·8	25th	295·6	289·5	4th	299·9	−0·6	298·9	177	+ 36
562	Chemulpo	37 29	126 32	67·6	999·1	1007·0	+0·9	298·6	302·1	31st	293·1	290·0	7th	295·9	−1·7	295·6	175	− 21
562a	Nagasaki	32 44	129 52	133·0	994·3	1009·6	+0·9	301·6	305·3	24th	294·9	290·6	1st, 5th	298·2	−0·8	297·9	218	− 35
563	Kioto	35 1	135 46	49·4	1004·5	1010·2	+1·0	304·1	308·9	20th	293·4	286·4	6th	298·8	+0·4	298·2	245	+ 29
564	Tokio	35 41	139 45	21·3	1007·3	1009·7	+0·1	301·5	306·2	19th	294·3	290·9	4th	297·9	+0·4	297·5	305	+ 105
565	Miyako	39 38	141 59	30·4	1006·1	1009·6	0·0	297·2	305·0	10th	290·4	286·4	7th	293·8	+0·4	293·2	409	+ 394
566		N.	E.															

JULY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1014·6	1015·9	+0·1	300·4	301·9	..	294·9	293·0	..	297·7	−0·8	..	17	− 17
606																		
615	Zacatecas	22 47	102 35	2610	745·8	..	..	291·1	294·8	23rd	281·7	279·2	11th	286·4	..	..	199	..
616	Leon	21 7	101 41	1798·6	824·1	..	+0·5	299·2	302·5	11th	287·3	285·3	27th	293·3	−0·5	..	310	+153
617	Galveston	29 18	94 50	16·5	1015·1	1017·3	+2·0	302·6	304·1	29th	298·0	294·1	6th	300·3	−1·1	*300·2*	120	+ 19
618	New Orleans	29 58	90 4	15·5	1016·0	1017·6	+1·7	303·4	306·3	24th	296·2	294·1	18th	299·8	−0·6	*299·2*	213	+ 49
619	Havana	23 8	82 22	24·3	..	1018·1	+1·5	..	305·7	24th	..	294·2	28th	300·3	−0·6	*300·0*	62	− 59
620	Key West	24 33	81 48	6·7	1017·4	1017·9	+1·0	303·9	305·2	26th	297·8	295·2	3rd	300·9	−0·8	*301·0*	77	− 14
621	Nassau, Bahamas	25 5	77 21	7·6	1017·4	1018·3	+0·9	303·7	305·2	1st, 21st	297·2	292·4	4th	300·5	−0·5	..	177	+ 10
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	295·8	297·6	..	290·0	287·0	..	292·9	−2·2	..	0	0
634	Las Palmas, Canary Islands	28 7	W15 26	7	1018·4	1019·2	−0·8	297·7	299·8	13th	292·2	290·6	4th	295·0	−0·5	..	0	0
637	Insalah	27 17	E 2 27	330	978·0	1014·4	+1·3	317·8	323·0	19th	300·6	297·5	25th	309·2	−0·8	*309·1*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1012·6	+2·3	312·8	317	14th	295·6	293	6th, 28th	304·2	−0·3	*305·5*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1008·8	+0·7	313·5	318	14th	296·9	294	22nd	305·2	+0·2	*305·7*	..	0
643	Suez	29 57	32 32	3·4	..	1011·2	+2·9	309·4	311	23rd	295·6	294	3rd, 4th	302·5	+1·0	..	0	..
644	Aswan	24 2	32 53	99·6	..	1008·8	+0·9	315·3	320	14th	298·8	297	7th, 29th	307·0	+0·5	*308·6*	..	..
647	Bushire	28 59	50 53	4	998·9	999·4	+1·9	308·6	317·3	4th	302·0	299·1	6th	305·3	+0·2	..	0	0
648	Jask	25 44	57 47	4	998·7	999·2	+0·4	309·9	313·7	9th	302·2	300·7	7th	306·0	+0·6	..	0	0
649	Kurrachee	24 53	66 57	4	1000·7	1001·2	+1·8	303·3	305·2	4th, 12th	299·3	298·0	17th, 21st	301·3	−0·5	*300·6*	0	− 79
650	Hyderabad, Sind	25 24	68 18	29	995·3	998·6	+0·9	309·5	312·2	5th, 29th	299·4	298·0	28th, 29th	304·4	−0·7	..	0	− 74
651	Jaipur	26 56	75 52	436	952·6	999·8	+0·8	311·6	316·4	8th	299·7	297·5	13th	305·6	+2·7	*304·9*	73	− 127
652	Nagpur	21 8	79 5	310	968·4	1002·8	+1·2	305·6	310·0	3rd	297·3	295·7	14th, 28th	301·5	+0·9	*300·9*	138	− 228
653	Allahabad	25 25	81 51	91	988·2	998·6	−0·5	311·4	316·4	4th	301·6	298·3	13th	306·5	+3·8	*305·9*	71	− 189
654	Calcutta	22 36	88 23	6	999·3	1000·0	−0·2	305·5	308·2	22nd	299·2	296·9	24th, 27th	302·4	+0·9	*302·2*	139	− 1
655	Gauhati	26 8	91 41	59	994·4	1001·0	..	304·6	306·8	12th, 30th	298·6	296·9	1st	301·6	..	..	256	+ 175
655a	Cherrapunji	25 15	91 42	1313	862·3	..	..	294·7	297·3	26th	291·1	288·9	4th	292·9	..	..	2834	− 75
656	Shillong	25 33	91 48	1500	843·3	..	..	297·0	298·5	26th, 28th	291·1	288·9	25th	294·1	..	..	314	− 410
656a	Akyab	20 11	92 56	6	1002·6	1003·2	−0·8	302·4	304·6	5th, 31st	298·1	296·1	23rd, 24th	300·2	−0·1	*300·3*	924	+ 65
657	Phu Lien	20 48	106 37	115·6	988·4	1001·5	−1·4	304·6	309·0	17th	298·0	295·9	2nd	301·3	−0·4	301·0	340	+ 40
658	Moncay	21 31	107 51	10	1000·4	1001·5	−1·2	304·9	309·7	27th	297·8	295·6	28th	301·4	−0·2	*300·7*	542	
659																		
660	Hong Kong	22 18	114 10	33·2	999·5	1003·2	−1·7	303·4	305·9	16th	298·9	296·9	3rd	301·2	+0·1	300·8	205	− 120
661	Taihoku, Formosa	25 2	121 31	9·3	1003·8	1004·8	−1·0	306·4	308·7	26th	297·3	296·0	7th	301·9	+0·5	301·4	30	− 177
662	Naha	26 13	127 41	10·5	1007·2	1008·4	+0·5	303·8	305·9	26th	297·8	295·0	3rd	300·8	−0·3	300·5	101	− 83
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JULY—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 14	100 7	1933	811·7	..	..	..	298·1	..	..	284·8	..	..	..	*290·2*	156	..
717	Salina Cruz	19 14	100 7	56·3	1006·5	1013·0	..	..	307·4	..	..	295·2	..	301·1	..	..	39	..
718	Mexico	19 26	99 8	2280	781·5	..	+0·8	295·5	299·7	22nd	284·2	281·2	26th	289·9	−0·9	289·0	225	+ 110
718a	Oaxaca	19 26	96 44	1563	847·9	..	..	..	..	..	..	..	..	..	..	..	..	..
719	Belize	17 4	88 12	2·1	1016·5	1016·7	+0·8	303·5	305·2	19th	297·3	294·7	26th	300·4	−1·6	*299·3*	315	+ 52
720	San Salvador	17 29	89 9	657	938·9	1012·3	+1·1	304·7	306·9	23rd	291·8	290·2	3rd	298·3	+1·2	..	124	− 195
721	Jamaica (Negril Point)	13 44	89 9	10·1	..	1015·2	+1·3	304·8	306·4	28th	295·6	292·8	4th	300·2	+0·4	*299·7*	76	− 74
722	Port au Prince	18 15	78 23	37·4	1011·9	1016·2	+3·4	308·4	310·1	..	295·9	294·0	..	302·2	+0·4	301·2	74	+ 12
723	St. Croix (Christiansted)	18 34	72 22	6·6	1014·6	1015·5	..	303·7	305·1	..	298·6	297·6	..	301·2	..	..	32	..
724	Grenada (Richmond Hill)	17 45	64 42	155·1	996·8	1014·6	+1·4	301·8	303·0	8th	296·9	295·2	15th, 16th	299·4	+0·3	*298·7*	140	− 101
725	Barbados	13 8	59 36	55·2	..	1013·0	+0·6	302·5	304·3	..	297·8	293·8	..	300·2	+0·3	*300·0*	70	− 83
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1017·5	1018·8	+4·9	298·7	300·2	25th	294·5	293·0	5, 10, 12	296·6	−1·2	..	0	− 8
732	San Tiago, C. Verde Is.	14 54	23 31	34	1014·7	1018·6	..	302·3	307·0	18th	296·1	294·8	5th	299·2	+0·7	..	0	− 12
733	Bathurst	13 24	16 36	1·5	1014·2	1014·4	+1·1	302·5	306·9	16th	295·9	293·0	11th	299·2	−0·5	*299·9*	96	− 192
734	M'Carthy Island	13 24	16 36	1·1	..	..	..	308·8	311·9	1st	292·2	288·6	23, 27, 29	300·5	+0·4	..	185	+ 3
735	Ségou	13 42	14 46	..	..	..	..	304·0	307·8	8th	294·6	292·3	30th	299·3	..	..	197	..
736	Timbouctoo	16 43	W 2 52	? 272 250	981·2	1008·9	+0·6	312·8	315·0	..	297·3	293·0	..	305·1	−0·5	*304·2*	67	..
737	Sokoto	13 2	E 5 14	354	..	..	..	304·2	309·1	9th	295·7	293·6	2, 13, 28	299·9	−0·3	..	123	− 20
738	Kontagora	10 24	5 24	400	..	..	..	302·9	306·9	31st	294·4	291·9	26th	298·7	+0·3	..	109	− 116
739	Maiduguri	11 48	13 12	370	..	..	..	307·4	311·3	16th	295·8	292·4	18th	301·6	0·0	..	236	+ 96
740	Katagum	12 17	10 22	329	..	..	..	306·6	309·7	16th	295·6	293·0	6th, 19th	301·1	+0·3	..	121	− 4
742																		
743	El Obeid	13 11	30 14	585	..	1013·1	+0·4	307·8	312·2	14th	295·8	292·8	1st	301·8	+0·8	*301·6*	41	− 64
744	Khartoum	15 37	32 33	390	..	1010·8	+2·1	311·2	316·3	13th	297·7	292·9	24th	304·5	−0·7	*304·6*	55	− 2
746	Aden	12 45	45 3	28·7	1002·6	1005·7	+1·9	307·0	309·2	2nd, 8th	301·3	298·2	31st	304·2	+0·2	*304·1*	0	− 1
751	Bombay	18 54	72 49	11·3	1004·9	1006·3	+1·2	302·9	304·9	1st, 3rd	299·1	296·6	9th	301·0	+0·8	*300·2*	387	−252
752	Mysore	12 18	76 40	768	924·9	1009·1	+0·4	299·9	303·6	2nd	292·3	291·9	8 dates	296·1	−0·7	296·1	128	+ 64
752a	Kodaikanal	..	..	2343	769·2	..	+0·5	288·9	291·3	1st, 5th	284·1	283·0	15th	286·5	−0·8	286·1	145	+ 18
753	Madras	10 13	77 28	6·7	1005·8	1006·6	+0·2	309·8	312·7	28th, 31st	299·7	296·3	10th	304·8	+1·1	303·3	29	− 75
754	Waltair	13 4	80 14	68·9	994·9	1002·7	+1·5	305·1	310·3	23rd	298·8	294·9	7th	301·9	..	*301·1*	108	+ 6
755	Port Blair	17 45	83 16	17·7	1005·6	1007·5	−0·2	302·3	303·9	2nd	298·1	295·8	17th	300·2	−0·2	*299·4*	253	−146
756	Rangoon	16 46	95 48	5·5	1005·5	1006·2	−0·8	302·4	305·3	28th	297·5	295·4	24th	299·9	−0·1	*298·9*	565	+ 34
757	Saigon	10 46	106 42	11·2	1006·3	1007·6	+0·5	305·5	307·6	28th	295·8	294·0	5th	300·7	+0·1	..	229	− 67
758	Nhatrang	12 16	109 12	6·8	1004·2	1005·0	−0·1	307·2	312·0	7th	297·6	296·3	19th	302·4	+0·8	..	28	− 32
759	Bolinao	16 24	119 53	7·5	..	1004·3	−1·5	302·9	306·4	8th	296·5	293·9	15th	299·7	..	..	1891	+1115
760	Vigan	17 34	120 23	14·7	..	1003·9	−2·3	303·4	306·2	7th	296·3	294·3	26th	299·9	−0·5	299·7	1642	+942
761	Manila	14 35	120 59	14·2	..	1005·8	−1·5	303·8	306·3	8th	296·4	294·4	15th	300·1	−0·7	299·4	699	+303
762	Ormoc	11 0	124 36	5·6	..	1007·4	−0·4	302·9	304·8	9th	296·5	294·9	6, 7, 14	299·7	0·0	299·5	321	− 4
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·6	303·6	4, 7, 28	297·5	296·0	10th	300·1	..	..	360	..
		N.	E.															

JULY—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	1011·6	1012·0	−0·3	302·3	303·8	5th	297·9	295·8	26th, 28th	300·1	−0·5	*299·7*	265	+ 82
819	Culebra	9 10	79 40	123·1	..	1010·1	−0·1	304·1	306·3	20th	295·8	294·1	30th	299·9	0·0	..	151	− 90
823																		
825	El Peru, Guayanavieja	7 30	62 0	? 300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	1014·3	1014·5	+1·3	302·3	303·6	15th	296·1	294·7	27th	299·2	−0·6	..	245	− 22
826a	Paramaribo	5 49	55 9	4	1013·7	1014·2	..	303·1	304·4	30th	295·4	294·4	11th	299·3	..	298·7	187	− 22
	Cayenne	4 56	52 21	6	..	..	..	303·4	305·0	13th	294·9	293·8	23rd	299·2	−1·0	..	214	+ 47
833	Conakry	9 31	13 43	16	1013·2	1015·0	+1·1	301·6	305·5	..	295·5	293·2	..	298·6	0·0	..	1254	−174
834	Sierra Leone	8 30	13 9	68·3	1005·7	1013·7	+0·8	301·9	304·2	15th	295·1	293·3	9th	298·5	−0·7	..	662	−240
835	Cape Coast Castle	5 5	1 13	..	..	..	..	301·2	307·4	5th	293·9	288·0	21st	297·6	−0·7	..	25	− 30
836	Accra	5 35	W 0 6	18	..	..	..	299·8	301·9	15th	294·6	291·3	30th	297·2	−0·6	..	36	+ 4
837	Lagos	6 22	E 3 28	7·6	1014·5	1015·4	+1·4	303·0	307·1	..	295·8	294·1	..	299·4	+1·2	..	35	−233
838	Zungeru	9 48	6 10	130	999·3	1012·9	+1·0	303·3	306·3	7th	294·7	293·0	3rd, 28th	299·0	+0·1	..	73	−140
838a	Libreville	0 23	9 26	35	..	..	..	301·6	..	..	293·9	..	..	297·8	+1·1	..	0	− 3
839	Yola	9 12	12 30	259	..	..	..	..	..	..	..	..	..	..	..	..	91	..
841	Kafia Kingi	9 22	24 18	596	947·5	1013·7	..	304·1	305·8	17th, 31st	295·1	291·3	6th	299·6	+1·0	..	132	− 29
842	Wau	7 42	28 3	440	..	1012·2	..	303·8	306	9, 19, 27	292·6	291	7th	298·2	..	..	163	− 18
843	Entebbe	0 5	32 29	1177	885·2	..	+1·1	298·0	299·2	13th	289·0	286·9	8th	293·5	+0·2	*293·7*	75	+ 1
844	Nandi	0 2	35 5	2010	..	..	..	297·3	298·6	2nd	283·7	281·9	31st	290·5	+0·9	..	144	− 63
851	Cothin	10 0	76 21	2·7	1010·7	1011·0	+0·8	301·1	302·8	31st	296·3	294·8	6th	298·7	−0·3	*297·9*	560	− 21
852	Colombo Observatory	6 54	79 53	7·3	1009·4	1010·2	+1·4	303·4	304·7	22nd	297·9	295·9	9th	300·7	+0·2	*299·9*	70	− 83
853	Candy	7 18	80 40	504·5	..	..	..	298·7	300·2	12th	294·6	293·4	6th	296·7	−0·2	..	196	+ 9
855	Medan	3 35	98 41	23·5	..	1008·9	−0·8	306·5	308·8	19th	294·1	292·4	13th	300·3	..	..	32	− 99
856																		
857	Penang	5 34	100 20	5·0	1007·4	1008·0	−1·4	305·3	306·9	16th	296·1	294·7	2nd	300·7	+0·1	..	105	−126
858	Singapore	1 17	103 51	3·0	1009·6	1009·9	+0·3	304·8	306·1	13th	298·1	295·6	31st	301·4	+1·3	..	105	− 71
860	Sandakan	5 49	118 12	..	..	..	..	304·8	306·9	10th	297·1	296·3	2, 12, 18	301·0	+0·6	..	150	− 18
861	Tagbilaran	9 38	123 51	21·8	..	1007·6	−0·2	..	..	..	..	..	..	..	..	..	98	−195
862	Surigao	9 48	125 29	6	..	1007·1	−0·5	304·1	306·7	24th, 26th	297·4	295·9	2, 3, 29	300·8	+0·1	300·6	217	+ 56
863	Yap	9 29	138 8	31·9	..	..	..	302·0	305·4	7th	..	..	..	..	..	..	1162	..
869	Uyelang	9 42	161 2	< 10	1008·0	1009·1	−1·8	..	..	..	..	..	..	..	..	..	388	+148
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JULY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1009·5	1010·3	+1·1	305·3	306·3	25, 28, 29	297·4	295·2	23rd, 26th	301·4	+0·3	..	23	− 20
906																		
923	Manaos	3 8	59 59	32·4	1005·6	1009·3	−0·1	..	..	..	..	..	..	300·3	−0·9	..	24	− 5
930	Fernando Noronha	3 51	W32 25	95	..	1015·6	+2·5	299·2	299·6	..	296·0	293·7	..	297·6	..	..	58	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	302·5	305·6	11th	289·3	287·0	15th	295·9	0·0	..	0	0
940	Loango	4 38	11 50	? 50	..	..	..	297·2	298·2	8th	290·7	289·6	24th	294·0	..	..	0	..
943	Daressalam	6 49	39 18	7·6	1018·3	1019·1	+1·0	299·3	301·4	15th	291·2	288·8	5th	295·3	−1·2	294·8	69	+ 22
944	Nairobi	1 18	36 59	1660	..	..	..	294·2	298·6	12th	281·2	276·9	19th	287·7	−0·8	..	20	+ 1
944a	Zanzibar	6 10	39 11	21·9	1018·6	1021·1	+1·9	299·0	300·1	16th	294·7	293·6	20th	296·8	−0·8	*296·1*	39	− 32
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	301·5	303·6	24th	291·6	288·0	20th	296·6	..	..	62	− 28
947	Seychelles	4 37	55 27	4·6	1013·7	1014·3	+0·7	299·9	300·9	..	297·4	296·0	..	298·7	+0·3	..	36	− 21
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1011·7	+0·4	..	..	..	..	..	..	..	..	..	330	+ 24
957	Batavia	6 11	106 50	8	..	1010·8	+0·5	302·6	303·8	26th	296·0	294·9	15th	299·3	+0·2	299·0	126	+ 59
958	Pontianak	0 1	109 20	2·6	..	1010·1	+1·0	..	..	..	..	..	..	..	..	..	31	−135
959	Passeroean	7 38	112 55	5·0	..	1011·3	+0·4	303·0	304·5	..	294·5	292·5	..	298·8	..	..	191	+156
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	0	− 42
961	Koepang	10 10	123 34	3·3	..	1012·0	+0·8	..	..	..	..	..	..	..	..	..	0	− 6
962	Ambon	3 42	128 10	4·2	..	1010·6	0·0	..	..	..	..	..	..	..	..	..	158	− 444
965	Daru	9 4	143 13	8	..	..	..	..	..	..	..	..	..	..	..	..	20	− 89
966	Port Moresby	9 29	147 9	39	1008·7	1013·2	+2·0	300·9	..	..	295·4	..	..	298·2	−0·6	..	0	− 31
967	Rakuranga	4 13	152 8	ca. 120	..	..	..	..	..	..	..	..	..	..	..	..	296	+202
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	503	+ 61
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·3	1008·5	−1·3	302·8	304·7	13th	297·4	295·2	26th	300·1	+0·4	..	121	+ 74
970	Ocean Island	0 52 S.	169 36 E.	48·5	1001·0	1005·7	−2·2	304·3	305·5	25th	298·1	297·2	19th	301·2	+0·4	..	194	

JULY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.															
1001																		
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1012·1	1016·3	−0·7	300·3	302·4	14th, 16th	291·2	288·0	14th	295·7	−0·5	..	11	− 33
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	1006·6	1012·0	−0·5	302·1	303·1	..	295·0	291·2	..	298·6	..	..	52	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	293·2	305·0	10th	284·9	283·0	30th	289·1	−1·1	*288·7*	0	.. 0
1022	Arequipa	16 22	71 33	2451	761·5	..	+0·1	292·8	295·2	14th, 19th	282·0	278·0	31st	287·4	+0·8	..	0	
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	287	0	..	22	+ 19
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	295·1	−0·6	..	0	+ 11
1026	Cuyaba	15 36	56 0	235	996·0	1023·4	+2·0	300·4	305·2	..	291·5	284·8	..	296·0	−1·4	..	19	+ 15
1035	St. Helena	15 57	W 5 40	632	949·4	1023·3	+1·8	289·4	293·6	6th	285·0	283·6	22, 26, 27	287·2	−0·6	*286·8*	96	+ 5
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	864·4	..	+0·4	293·1	297·7	..	276·8	271·9	..	285·0	−0·9	..	0	0
1043	Salisbury, Rhodesia	17 49	31 3	1487	..	..	..	292·8	296·9	..	277·1	271·9	..	284·9	−1·4	..	0	0
1044	Zomba	15 23	35 18	899	913·4	1015·9	+3·7	294·7	296·6	21st	282·9	280·9	8th	288·8	−0·5	*287·1*	5	− 3
1045	Tamatave	18 9	49 26	4	1023·9	1024·3	+3·7	..	..	..	290·2	289·0	..	292·7	−1·5	..	972	+714
1046	Tananarivo	18 55	47 32	1400	870·6	..	+2·3	291·0	294·4	15th	280·5	276·0	6th	285·8	−1·8	284·9	7	+ 1
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1015·2	+3·3	300·3	301·6	31st	296·9	294·1	10th	298·6	−0·1	..	145	− 187
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1009·3	1009·9	+0·4	302·7	304·1	..	295·9	294·4	..	299·3	−0·1	..	140	− 30
1058																		
1061	Derby	17 18	123 40	16·2	..	1015·8	+1·0	302·1	305·3	14th, 16th	288·1	282·3	26th	295·1	−0·3	..	0	− 6
1062	Hall's Creek	18 13	127 46	373·4	..	1016·6	−0·1	301·3	306·2	10th, 11th	281·6	273·7	26th	291·4	+0·3	..	0	− 1
1063	Port Darwin	12 28	130 51	29·6	..	1013·5	−1·1	302·7	304·7	8th	292·3	288·7	24th	297·5	−0·6	*296·3*	0	− 2
1064	Daly Waters	16 16	133 23	213	..	1014·9	..	301·6	306·3	13th	283·8	275·5	26th	292·7	−0·4	*291·9*	0	− 2
1065	Mein	13 13	142 57	121·9	..	1012·6	..	301·6	304·4	14th	289·8	283·6	24th	295·7	..	..	0	− 2
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1015·3	..	300·8	304·0	11th, 13th	283·3	275·2	24th	292·1	..	..	0	−
1067	Samarai	10 37	150 40	6·4	..	..	..	..	..	..	..	..	..	..	..	..	434	+155
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	299·8	303·4	31st	289·8	285·9	23rd	294·8	..	..	142	..
1071																		
1072	Suva, Fiji	18 8 S.	178 26 E.	14·8	..	1014·4	−1·1	298·4	302·4	25th	293·4	287·4	10th	295·9	−0·3	..	153	+ 39
		° ,	° ,	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JULY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	297·0	298·7	1st	291·6	288·0	29th	294·3	..	..	162	+ 94
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1014·6	1018·1	..	294·4	296·7	16th	287·7	283·6	9th	291·1	..	290·0	92	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1013·9	1016·9	−0·5	288·4	291·8	22nd	282·5	280·0	19th	285·5	+0·4	*285·0*	2	− 34
1122	Puerto de Antofagasta	23 39	70 25	10	1014·6	1015·8	+0·7	295·2	296·5	28th, 29th	283·7	283·0	sev. dates	289·5	−0·1	*290·9*	55	+ 54
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	..	287·2	−0·4	*286·3*	72	+ 31
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	110	+ 32
1127	Curityba	25 26	49 16	908	917·8	1023·5	+1·1	289·7	296·7	..	278·1	269·8	..	283·9	−2·0	*283·6*	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1012·6	1020·3	−0·1	..	..	..	..	..	..	292·0	−1·4	..	163	+122
1139	Windhuk	22 34	E17 5	1665·3	838·0	..	...	292·5	296·3	31st	278·1	272·1	27th	285·3	−1·1	285·4	2	0
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	288·3	293·4	5th	277·5	272·9	16th	282·9	−0·6	*282·4*	6	+ 1
1142	Kimberley	28 43	28 46	?1232	889·6	..	+1·3	290·5	..	..	275·2	..	..	282·9	−0·6	282·1	28	..
1142a	Pretoria	28 43	28 46	1338	..	..	..	291·2	299·1	6th	274·6	268·6	2nd	282·9	−1·3	..	8	+ 6
1143	Durban	25 45	28 11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1144	Lorenzo Marques	29 51	31 0	79·9	..	1025·5	+2·4	296·8	301·6	14th	285·0	280·8	5th	290·9	−0·6	290·3	60	+ 46
1147	Mauritius	20 6	57 33	54·3	1015·3	1021·9	+1·4	296·2	298·2	1st	289·6	286·4	11th	292·9	−0·2	292·6	18	− 50
1148																		
1159	Onslow	21 43	114 57	4·3	..	1015·9	−0·8	298·2	301·3	29th	283·9	279·7	23rd	291·0	+0·3	..	13	− 16
1160	Peak Hill	25 38	118 47	588·3	..	1016·3	−2·5	293·1	297·9	31st	281·2	277·4	22nd	287·1	+1·7	..	15	− 7
1161	Nullagine	21 53	120 5	385·6	..	1017·0	−1·0	297·5	301·8	31st	279·5	274·4	28th	288·5	+0·4	..	3	− 17
1162	Laverton	28 40	122 23	466·3	..	1018·6	−2·1	291·3	298·3	31st	279·1	273·7	7th	285·2	+1·4	..	12	− 4
1163	Alice Springs	23 38	133 37	587·0	..	1018·0	−2·2	293·4	302·1	10th	277·9	270·4	25th	285·6	+1·2	*285·3*	16	+ 5
1164	William Creek	28 55	136 21	76·2	..	1019·8	..	291·2	295·5	28th	278·9	274·4	3rd	285·0	..	*284·8*	18	+ 13
1165	Boulia	22 55	139 38	145·7	..	1016·8	..	296·6	305·2	11th, 12th	281·2	274·7	26th	288·9	..	..	17	+ 11
1166	Mitchell	26 32	147 52	337·1	..	1018·5	..	292·8	299·7	8th	275·8	268·3	27th	284·3	..	..	20	− 12
1167	Rockhampton	23 24	150 30	11·3	..	1018·1	..	297·6	303·6	12th	282·7	275·8	27th	290·1	..	..	6	− 36
1168	Brisbane	27 28	153 2	41·7	..	1018·6	+0·5	294·2	297·9	7th	281·9	275·4	28th	288·1	+0·6	..	43	− 16
1169	Noumea	22 16	166 27	9	1013·3	1014·4	..	297·6	299·4	22nd, 30th	288·6	288·0	8, 12, 24	293·1	−0·4	..	118	+ 27
1170	Norfolk Island	29 4 S.	167 58 E.	..	..	..	..	..	..	..	..	..	..	..	..	..	99	− 69

JULY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.															
1219																		
1220	Juan Fernandez	33 37	78 50	10	1021·5	1022·7	+4·1	288·2	292·0	8th	..	..	..	286·2	+0·6	..	81	− 80
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1013·1	1018·0	+1·6	287·9	293·1	9th	281·7	276·8	24th	284·8	−1·4	*284·1*	28	− 95
1222	Santiago	33 27	70 42	520	956·8	1018·7	−0·1	288·0	297·6	9th	276·0	270·5	23rd	282·0	−0·5	280·9	30	− 56
1223	Cordoba	31 25	64 12	439	967·8	1020·1	+1·8	..	..	..	..	..	..	284·3	−0·4	..	80	+ 75
1224	Buenos Ayres	34 16	64 11	25·2	1016·6	1019·7	+1·1	..	..	..	..	..	..	282·3	−0·9	..	89	+ 33
1225																		
1226	Montevideo	34 52	W56 12	29·3	1015·9	1019·4	+1·0	286·7	295·1	28th	279·2	274·0	8th	283·0	−0·8	282·5	150	+ 85
1239	Cape Town	33 56	E18 29	9	..	1021·8	+0·5	290·4	298·4	10th	280·3	275·3	28th	285·3	−0·4	*283·2*	103	+ 11
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	81	..
1241	Heidelberg	34 5	20 58	1541	857·2	..	+1·8	291·6	296·4	5th	271·1	263·1	16th	281·3	−0·3	..	6	− 21
1242	East London	33 2	27 55	10·1	1021·7	1022·9	+2·2	294·4	304·1	25th	281·9	276·9	16th	288·2	0·0	..	19	− 2
1259																		
1260	Perth (Observatory)	31 57	115 51	60·0	..	1017·3	−2·1	289·4	292·9	3rd	282·3	276·0	6th	285·9	+0·2	..	181	+ 20
1261	Katanning	33 42	117 35	309·7	..	1016·0	−2·7	287·2	291·6	4th	279·1	273·0	20th	283·1	+0·5	..	93	+ 19
1262	Coolgardie	30 57	121 10	423·3	..	1018·2	−1·9	289·1	294·1	14th	278·4	274·2	20th	283·8	+0·3	..	33	+ 12
1263	Eucla	31 45	128 58	4·6	..	1017·1	−2·9	292·4	298·8	31st	279·9	274·7	8th	286·1	+0·7	..	17	− 6
1264	Streaky Bay	32 48	134 13	13·1	..	1018·8	−1·3	289·0	291·3	6th	281·4	276·0	23rd	285·2	+0·8	..	46	− 15
	Adelaide	34 56	138 35	42·7	..	1019·4	−1·0	288·3	291·9	7th	280·1	274·6	25th	284·2	+0·4	*284·1*	50	− 16
1265	Melbourne	37 49	144 57	35·1	..	1019·1	−0·1	285·7	290·2	16th	277·7	271·6	26th	281·7	−0·4	*281·5*	57	+ 10
1266	Bourke	30 13	145 58	110·1	..	1020·8	−0·9	291·3	298·6	17th	277·7	272·6	27th	284·5	+0·5	..	8	− 14
1267	Sydney	33 51	151 13	44·5	..	1018·6	0·0	288·1	292·5	18th	281·3	277·2	28th	284·7	+0·5	..	195	+ 78
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	192	− 18
1271	Auckland	36 50	174 50	38·1	..	..	..	287·2	289·1	11th, 25th	280·3	276·1	8th	283·7	−0·2	..	41	− 85
1272																		

Between Latitude 40° S. and 50° S.

JULY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.															
1301	Chatham Island	43 52	176 42	58	..	..	..	283·7	285·8	19th	278·4	273·6	sev. dates	281·1	+0·8	..	57	− 36
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	279·0	277·2	17th	282·3	+1·3	*282·0*	144	− 99
1322	Punta Galera	40 1	73 44	40	1013·0	1017·9	+3·7	286·1	291·8	31st	279·8	276·0	24th	283·0	+1·1	*282·3*	241	− 98
1323	Bahia Blanca	38 45	W62 12	20	1014·9	1017·3	+3·6	..	..	..	..	..	..	282·5	+0·6	..	24	− 3
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1016·5	+3·0	284·0	289·3	16th	277·0	273·7	29th	280·5	−0·2	*280·2*	25	− 29
1366	Launceston	41 27	147 10	9·4	..	1017·0	..	284·3	287·6	16th	275·1	270·2	9th	279·7	−0·1	..	97	+ 23
1369																		
1370	Dunedin	45 52	170 31	90	..	1016·0	+5·5	281·7	284·7	sev. dates	275·1	271·9	11th	278·4	−0·1	..	47	− 36
1371	Christchurch	43 32	172 38	7·6	..	1016·9	+4·3	282·3	285·0	20th	273·3	268·9	17th	277·8	−1·0	..	81	+ 15
1372	Wellington	41 16	174 46	33·5	..	1016·0	+3·7	284·9	288·3	22nd	279·3	275·1	29th	282·1	+0·5	..	139	+ 41
		° , S.	° , E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

JULY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	999·2	1005·9	+8·8	289·1	289·8	var.	275·5	273·0	28th	282·3	+5·1	*278·7*	380	+148
1422	Puerto de Punta Arenas	53 10	70 54	4	1005·8	1006·3	+5·7	278·7	283·5	24th	274·5	269·9	31st	276·6	+1·6	276·6	57	+23
1423	Punta Dungeness	52 24	68 25	5	1005·9	1006·5	+4·3	278·7	284·2	1st	..	..	..	277·5	+2·3	*277·4*	16	−7
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1006·6	+1·9	278·8	284·7	27th	274·2	269·7	30th	276·5	+0·7	276·8	..	..
1426																		
1429	South Georgia (Grytviken)	54 ¤4	36 33	4	995·1	995·6	−1·9	273·9	281·8	11th	268·1	262·7	6th, 7th	271·0	+0·3	*270·8*	107	−14
1430		S.	W.															

JULY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	993·2	994·1	−0·6	267·8	275·8	..	259·8	248·7	..	263·8	+3·2	264·1	17	−11
1528																		

JULY—ZONE 16. Between Latitude 70° S. and 80° S.

1605	Framheim	S. 78 38	W. 163 37	11·1	977·3	978·9	..	..	261·0	10th	..	219·0	27th	236·9	..	..	..	..
1669		S.	E.															
1670	Cape Evans(McMurdo Sound)	77 38	166 24	18	..	984·7	−2·8	..	262·1	..	..	229·3	..	..	−3·6	243·5	..	..
1671	Cape Adare	71 ° 18 ′	170 ° 9 ′	..	..	982·5	..	..	260·2	..	..	236·3	..	..	..	247·1	..	..
				metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JULY 1911.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction.	Suva, Fiji. 1072. Mean Velocity, 24 hrs. ending 9 a.m.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.	m/s.
1	SE by S	11·9	SE 2	E 2	Calm 0	W 3	E 4	E 3	SE 4	E 4	E 2	S.	1·3
2	SE by S	7·1	SE 4	Calm 0	W 3	Calm 0	E 4	E 5	SE 6	E 2	E 3	Calm	1·9
3	SE by E	6·0	SE 4	SE 2	W 2	W 3	SE 4	E 2	SE 5	E 2	E 3	E	5·9
4	SE by S	5·3	SE 4	E 2	W 2	W 3	E 4	E 3	SE 4	E 3	E 2	Calm	4·2
5	SSE	5·4	SE 4	SE 4	W 3	W 3	E 4	E 2	SE 5	E 2	E 4	Calm	0·5
6	SE by S	5·0	E 4	E 4	W 3	W 2	E 4	E 4	SE 6	E 3	E 4	Calm	2·2
7	SE by S	6·2	SE 4	SE 4	Calm 0	W 3	E 5	E 5	SE 5	E 4	E 3	SE	0·2
8	SE by S	6·0	SE 4	SE 2	Calm 0	W 3	SE 5	E 2	SE 4	E 2	E 3	SE	0·8
9	ESE	3·8	SE 2	Calm 0	NE 3	W 3	SE 5	E 2	SE 5	E 2	E 3	SE	2·8
10	SSE	5·1	Calm 0	Calm 0	Calm 0	W 3	SE 5	E 3	SE 4	E 4	E 3	SE	1·9
11	SE by S	4·3	Calm 0	NE 2	N 3	W 3	E 4	E 3	SE 4	E 3	E 3	SE	0·1
12	SE by S	5·0	E 2	E 4	Calm 0	Calm 0	E 3	E 4	SE 4	E 3	E 4	NW	2·6
13	SE by S	7·2	E 2	E 4	N 3	Calm 0	SE 4	E 2	SE 4	E 4	E 4	Calm	1·9
14	SE by E	6·5	SE 4	SE 4	Calm 0	Calm 0	SE 5	E 2	SE 3	E 2	E 3	Calm	1·1
15	SE by S	6·7	SE 4	SE 2	Calm 0	W 3	E 4	E 2	SE 3	E 3	E 3	NW	1·1
16	SE by S	9·5	Calm 0	E 2	Calm 0	SE 3	E 4	SE 4	SE 2	E 4	SW 4	NE	2·1
17	SE by S	8·5	SE 2	Calm 0	Calm 0	W 3	SE 4	E 2	SE 2	SW 2	S 6	Calm	2·2
18	SSE	6·9	N 2	E 2	W 2	W 3	SE 4	E 1	Calm 0	W 4	S 4	Calm	6·0
19	SSE	8·9	SE 2	E 4	W 2	W 3	SE 4	E 2	SE 3	W 3	SW 6	Calm	4·1
20	SE	..	E 4	E 4	W 2	W 3	SE 4	E 3	SE 2	SW 5	W 7	NE	0·6
21	SE by S	..	E 4	Calm 0	N 2	W 3	SE 4	E 2	SE 2	W 4	W 10	SW	1·1
22	SE by S	8·0	Calm 0	Calm 0	N 2	W 3	SE 2	E 1	SE 3	W 6	W 9	W	8·6
23	SE by S	8·1	Calm 0	Calm 0	Calm 0	W 3	NE 1	E 1	Calm 0	W 4	W 9	Calm	3·4
24	SSE	10·2	SE 2	SW 2	Calm 0	W 3	NE 1	E 2	SE 1	E 3	E 4	NE	0·8
25	SSE	11·6	SW 2	SW 2	Calm 0	W 3	S 1	E 1	SE 2	E 4	E 4	NE	4·4
26	SSE	11·3	S 2	SE 2	W 3	SE 3	S 1	SE 2	S 2	E 2	E 4	NW	2·1
27	SE by S	9·7	S 2	Calm 0	W 2	W 3	E 2	E 2	SE 1	E 2	E 3	E	2·5
28	SE by S	8·6	S 2	Calm 0	Calm 0	W 2	E 2	E 2	SE 3	E 4	E 3	E	6·2
29	SE by S	9·5	SE 4	Calm 0	W 3	Calm 0	E 3	E 2	SE 4	E 3	E 2	NE	5·4
30	SE by S	9·2	SE 4	SE 3	Calm 0	Calm 0	E 3	E 3	SE 3	E 3	E 2	NE	3·8
31	SSE	8·6	SE 3	E 2	Calm 0	SW 3	E 4	E 4	SE 1	E 2	E 3	N	1·0
Mean for Month	..	7·6	..	2·5	..	1·3	..	3·5	−0·1	..	..	..	2·7
Deviation from Normal	..	+0·8	..	..	..	..	..	2·5	..	3·0	3·2	4·1	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JULY 1911.

**The Seas round Novaja Zemlja and Spitsbergen.*—"The mouth of Petschora R. was still blocked. At first the ice extended to Admiralty Penin., S. of which the sea was ice-free except ends of bays. Later the edge was kept at Barents I. by continuous N.W. winds. Unbroken ice was met in lat. 77°. In the Barents Sea the boundary lay between lat. 75° and 76°; south of 75° on long. 40°. Icebergs were numerous. Around Bear I. the sea was open."

**Spitsbergen.*—"Early in the month a great mass of ice must have got round South Cape, as there was more ice along the W. coast than in June. The edge was 40 miles off South Cape, broadening N. and reaching from the coast to 8° E. The N. edge was 5 miles from Prince Charles Foreland. During the end of July there was pack at Moffen I."

**Greenland Sea.*—"During July the vast masses of ice round Jan Mayen were decomposed; S. of Shannon I. the ice-edge followed 15° W."

**Iceland.*—"On the 23rd the edge lay 16 miles N. of Cape North, and scattered ice was observed from 18th to 27th." *Denmark Strait.*—"At Angmagsalik the sea was ice-free."

North Atlantic and Labrador.—"On the Newfoundland Banks the number of icebergs increased, limits 40° 24′ N. and 47° 42′ W. At first Belle Isle Strait was ice-free, but unusually many icebergs appeared now and again, and outside the Strait E. to 50° 24′ W. were many ice-fields and icebergs."

**Davis Strait.*—"At Cape Farewell scattered 'Storis' lay close inshore, but after 25th the coast was ice-free. At first a little 'Storis' lay 50 miles south of Cape Farewell, but soon disappeared. Up to Arsuk the sea was ice-free except for icebergs. Nanortalik was free throughout, but the 'Storis' was visible in the offing. The coast was almost free up to Upernivik, but there were, as usual, many icebergs near Disko, and on the 3rd unbroken winter ice from Cape Cranstown towards Ubekendt I. Towards the end a firm edge of west ice lay 80 miles off Holstenborg and Egedesminde."

**Hudson Strait and Bay.*—"Off the Strait the ice boundary on 20th was 61° N. 67° W.; the Strait was covered by heavy pack with icebergs; in Hudson Bay the edge lay between Coat's and Mansfield's Is. in 80° W.; from here to York Roads the Bay was ice-free."

**Behring Sea* and *Behring Strait* were ice-free. *Beaufort Sea.*—"From a little E. of Icy Cape to near Flaxman I. the firm edge of the ice, consisting of old polar-ice, lay not far off-shore."

* *Isforholdene i de arktiske Have 1911*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, AUGUST 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF AUGUST 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

AUGUST—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1012·0	1012·8	..	..	..	..	..	..	..	277·2	..	*277·1*	1	..
124																		
125	Upernivik	72 47	W56 7	18·9	1010·6	1012·9	+1·5	281·7	290·0	3rd	273·7	270·3	13th	277·7	−0·6	277·7	4	−26
126																		
139	Spitsbergen	78 2	E 14 14	11·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1012·0	1012·6	+1·4	..	295·7	23rd	280·6	277·2	18th	..	−0·4	*283·0*	43	−1
142	Mehavn	71 1	27 47	6·4	1012·2	1012·7	..	..	296·0	11th	281·1	275·2	16th	..	..	*283·4*	55	+13
143	Vardö	70 22	31 8	10·0	1012·2	1013·0	+1·1	..	290·3	9th	279·9	275·2	16th	..	−0·2	*282·0*	101	+50
144		N.	E.															

AUGUST—ZONE 2. Between Latitude 70° N. and 60° N.

209	Dawson	64 4	139 20	321	979·9	1018·2	+4·3	292·8	300·2	2nd	276·9	272·4	19th	284·8	−0·8	..	35	−5
210	Carcross	60 11	134 34	662	..	..	..	..	302·4	..	..	272·4	23rd	..	..	..	33	..
211																		
212	Fort Simpson	61 52	120 43	129	1001·0	1016·8	..	291·2	298·0	..	279·1	273·0	..	285·2	..	*285·8*	17	..
213																		
214	Hay River	60 51	115 20	161	996·0	1015·2	..	290·1	295·5	27th	281·2	274·8	26th	285·6	..	..	34	..
225																		
226	Jacobshavn	69 13	51 2	12·6	1008·8	1010·3	−0·2	283·1	289·0	3rd	276·9	272·1	30th	280·0	+0·1	*279·7*	22	−12
229	Godthaab	64 11	51 44	9	1005·9	1007·0	−3·0	..	..	..	278·2	275·5	28th	..	..	*280·5*	49	−26
230	Angmagsalik	65 37	37 34	31·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
231																		
232	Stykkisholm	66 5	22 46	11·3	1009·6	1011·0	+1·6	284·9	290·5	2nd	279·7	275·5	21st, 29th	282·3	0·0	*282·3*	41	+2
233	Vestmanno	63 26	20 15	7·7	1009·0	1009·9	+1·6	286·9	290·3	5th	281·0	276·5	29th	284·0	+0·4	*283·6*	40	−38
234	Grimsey (Akureyri)	66 33	17 58	6·8	1010·4	1011·2	+1·2	282·4	285·3	12th	276·8	274·8	23rd	279·6	−0·8	*279·4*	7	−25
235	Berufjord	64 40	14 19	18	1008·2	1010·4	+0·9	285·5	292·2	14th	278·8	276·0	21st	282·2	+0·8	*281·9*	111	+38
236	Thorshavn	62 3	W 6 45	25·7	1008·8	1011·9	+2·5	286·9	289·5	3rd, 15th	281·9	276·5	22nd	284·4	+0·7	..	65	−36
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1009·2	1014·3	+3·7	..	301·3	1st	285·1	279·6	22nd	..	+0·6	*287·8*	129	−61
239	Christiansund	63 7	7 45	17·8	1011·6	1012·8	+2·3	..	296·8	6th	284·8	280·0	21st	..	+0·6	*286·8*	121	+18
240	Trondhjem	63 26	10 25	39·5	1009·0	1013·1	+2·6	..	302·0	10th	283·5	276·5	21st	..	+0·3	*286·8*	49	−27
241	Bodö	67 17	14 24	20·5	1010·0	1012·2	+1·8	..	296·0	6th	282·2	278·4	17th	..	+0·1	*285·5*	122	+39
242	Haparanda	65 50	24 9	9·2	1009·8	1010·9	+0·6	290·8	300·5	3rd	283·0	276·5	17th	286·9	+1·1	*287·1*	58	+4
242a	Helsingfors	60 10	24 57	11·7	..	1011·6	+0·6	..	301	..	..	..	..	290·4	+1·8	*290·1*	83	+13
	Kuopio	62 54	27 40	99·7	..	1011·8	+2·0	..	303	..	..	280	..	289·9	+2·3	*289·6*	99	..
243																		
244	Kola	68 53	33 1	6·7	1011·9	1012·7	+2·8	..	299·6	11th	281·1	275·4	27th	285·3	+0·7	*285·1*	62	+29
245	Petrozavodsk	61 47	34 23	38·9	1007·0	1011·6	+0·8	..	300·6	5th	..	..	..	289·4	+1·7	*289·1*	..	..
246	Arkhangelsk	64 33	40 32	6·7	..	1012·8	+2·5	..	298	..	..	279	..	287·7	+0·5	*287·2*	58	+8
247	Velsk	61 5	42 7	? 87	1002·4	1012·8	..	..	300·8	6th	282·5	276·7	27th	288·2	..	*287·8*	48	..
248	Oust-Tsylma	65 27	52 10	? 25	..	1013·4	+4·4	..	293	..	..	274	..	285·0	−0·4	*284·6*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	997·2	1012·0	..	..	294·6	25th	279·4	273·2	24th	284·8	..	*284·5*	75	..
249																		
250	Berezov	63 56	65 4	39·9	1005·5	1010·3	−0·1	..	292·8	13th	280·5	273·0	4th	284·3	−2·2	*284·0*	48	−5
251	Obdorsk	66 31	66 35	24·2	1009·5	1012·4	+2·2	..	291·4	8th	278·7	272·9	26th	282·0	−3·1	*281·7*	46	−14
252	Sourgout	61 15	73 24	40	1001·0	1005·8	−2·4	..	294·5	12th	280·6	270·0	27th	285·1	−2·9	*284·8*	120	+44
253																		
254	Touroukhansk	65 55	87 38	? 40	1002·3	1007·1	−5·6	..	297·7	8th	281·4	273·4	25th	286·0	+1·2	*285·7*	115	+59
	Doudinka	69 7	87 0	? 20	1006·3	1008·7	..	..	298·3	8th	279·6	271·1	30th	284·0	..	*283·8*	32	..
261																		
262	Olekminsk	60 22	120 26	? 202	994·0	1017·9	+1·4	..	301·8	10th	281·7	274·6	28th	289·9	+2·3	*289·6*	32	..
263	Iakoutsk	62 1	129 43	? 108	998·8	1011·6	+2·8	..	304·1	1st	282·3	272·0	29th	290·3	+1·8	*290·0*	8	−34
264	Verkholansk	67 33	133 24	? 100	997·2	1009·1	+1·5	..	301·3	1st	278·9	269·6	23rd	286·0	+2·8	*285·7*	..	..
	Oust-Maiskoe	60 25	134 29	? 100	..	..	..	..	301·5	2nd	280·2	271·8	29th	289·6	..	*289·3*	24	..
271																		
272	Markovo sur Anadyr	64 45	170 50	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Novo-Mariinskii Post	64 45	177 33	? 3	..	..	..	..	..	..	..	..	..	..	..	..	37	..
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

AUGUST—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
307																		
308																		
309		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
310	Prince Rupert	54 18	130 18	52	1010·1	1016·2	..	291·0	300·2	..	282·8	280·2	..	286·9	..	..	93	..
311	Barkerville	53 2	121 35	1274	..	1017·3	..	288·8	292·4	19th	277·5	273·0	8th	283·1	−1·6	*283·0*	72	− 6
312	Kamloops	50 41	120 29	379	..	1014·4	+0·2	299·3	304·9	13th	284·4	279·1	9th	291·9	−1·2	*291·7*	26	0
313	Calgary	51 2	114 2	1033	..	1016·1	+4·3	291·7	298·6	12th	279·1	273·6	27th	285·4	−2·7	*285·7*	111	+47
314	Fort Chipewyan	58 42	111 10	218	988·7	1014·8	..	290·2	295·8	1st	280·2	273·0	26th	285·2	..	*285·8*	65	..
315	Prince Albert	53 10	106 0	436	962·1	1013·2	+2·0	294·6	302·4	19th	280·0	273·8	27th	287·3	−0·9	*287·7*	76	+12
316	Qu'Appelle	50 30	103 47	645	939·4	1014·2	+1·0	293·4	301·9	13th	280·4	271·9	28th	286·9	−2·8	*287·0*	90	+42
317	Minnedosa	50 15	99 50	515	954·5	1014·6	..	294·8	302·4	..	280·9	273·0	..	287·8	−1·4	*287·4*	138	+69
318	Berens River	52 18	97 23	216	..	..	..	295·0	300·8	..	284·2	276·3	..	289·6	..	*289·0*	32	..
318*a*	Fort Churchill	58 51	94 11	9	1010·7	1011·8	..	291·4	300·2	..	280·9	274·7	..	286·1	+1·9	..	..	..
319	Fort Hope	51 32	87 48	..	982·0	..	..	293·6	298·6	14th	283·5	278·0	19th	288·5	..	..	42	..
320	Moose Factory	51 16	80 56	9	1011·0	1012·0	..	294·9	300·8	2nd	283·7	277·4	10th	289·3	..	..	147	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	1004·6	1006·5	−2·0	284·1	295·8	..	278·2	275·3	..	281·1	−1·1	..	166	..
324	Nain	56 33	61 41	4·2	1007·0	1007·5	−1·6	287·1	301·4	..	278·9	274·1	..	283·0	−1·2	..	107	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	294·1	9th	..	282·4	30th	287·8	..	..	54	−39
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1012·9	1014·5	−0·3	292·2	297·4	15th	286·5	282·4	23rd	289·4	+1·4	289·4	81	−50
335	Aberdeen	57 10	2 6	27·4	1011·2	1014·4	+2·7	290·7	297·4	9th	284·6	279·7	17th	287·7	+1·7	287·8	28	−50
336	Greenwich	51 28	W o 0	48·5	1011·3	1017·0	+1·8	300·3	310·8	9th	286·9	281·9	31st	293·6	+3·3	292·7	34	−25
337	Uccle	50 48	E 4 22	100	1005·1	1016·8	+1·2	300·8	309·1	9th	287·7	281·7	31st	294·3	+4·1	293·7	26	−54
338	De Bilt	52 6	5 11	3·0	1016·6	1017·0	+2·5	299·0	308·0	11th	286·8	278·9	31st	292·9	+3	292·4	36	−66
338*a*	Hamburg	53 33	9 59	26·0	1013·8	1016·9	+3·1	297·9	303·8	12th	288·4	283·4	17th	293·2	+2·1	292·4	16	−40
339	Copenhagen	55 41	12 36	5·0	1015·1	1015·7	+2·6	294·9	300·5	13th	287·7	283·2	20th	291·3	+2·3	*291·2*	42	−23
340	Potsdam	52 23	13 4	84·9	1006·2	1016·1	+1·3	300·0	305·7	13th	287·1	279·7	17th	293·6	+3·7	293·0	12	−40
340*a*	Upsala	59 51	17 38	24·0	1009·2	1012·0	+1·7	297·2	305·9	2nd, 3rd	283·4	276·0	18th	290·3	+2·7	290·5	40	−35
341	Warsaw	52 15	21 1	127	1000·4	1015·4	+1·1	297·9	303·5	13th	287·4	282·0	21st	292·7	+3·7	293·0	22	−54
342	Jurjev	58 23	26 43	74·5	1003·7	1012·6	+1·4	295·3	303·5	..	283·9	277·8	..	289·6	−0·2	289·6	85	+15
343	Petrograd	59 56	30 16	4·8	..	1012·0	+1·0	..	303	..	..	281	..	291·0	+1·9	*290·8*	79	+14
344	Kiev	50 27	30 30	182·9	..	1013·2	−0·7	..	300	..	..	281	..	290·9	−0·8	*290·5*	120	+60
344*a*	Moscow	55 45	37 34	156	995·4	1013·9	+1·7	296·8	303·7	7th	284·4	278·9	21st	290·6	−0·9	290·3	77	+ 4
345	Saratov	51 32	46 3	59·9	..	1013·1	+1·9	..	305	..	..	282	..	294·5	+0·7	*294·2*	13	−22
346	Kazan	55 47	49 8	79·8	1002·3	1011·8	+0·3	..	304·7	17th	..	281·3	27th	289·9	−0·7	*289·7*	13	−47
347	Orenburg	51 45	55 6	114·1	..	1011·6	−1·2	..	304	..	..	280	..	290·7	−2·4	*290·3*	74	+39
348	Perm	58 1	56 15	163·0	..	1009·8	+0·2	..	301	..	..	277	..	286·8	−1·9	*286·5*	92	+22
349	Ekaterinburg	56 50	60 38	288·9	..	1009·5	−1·3	..	299	..	..	275	..	285·6	−2·4	*285·3*	108	+48
350	Tobolsk	58 12	68 14	108·3	994·2	1007·2	..	..	297·1	15th	281·3	276·5	5th	285·7	−3·3	*285·4*	85	+15
351	Akmolinsk	51 12	71 23	? 347	967·2	1007·8	−3·0	..	300·1	2nd	282·8	278·0	25th	288·1	−3·3	*287·7*	121	+81
352	Omsk	54 58	73 23	87·3	995·5	1006·0	−4·2	..	297·2	1st	282·1	277·6	25th	287·5	−3·1	*287·2*	115	+66
353	Barnaoul	53 20	83 47	157·7	989·8	1008·5	−2·1	..	301·1	13th	283·5	275·9	26th	289·5	−0·5	*289·1*	97	+55
354	Tomsk	56 30	84 58	121·6	993·2	1007·7	−2·1	..	300·5	11th	281·8	272·7	30th	288·0	−0·7	*287·6*	40	−24
355	Minousinsk	53 43	91 41	? 255	980·4	1010·2	..	..	302·0	12th	283·2	275·6	26th	289·9	..	*289·5*	92	+31
356	Eniseisk	58 27	92 11	84·4	999·1	1009·2	−1·2	..	301·4	11th	283·0	273·5	28th	289·2	+0·3	*288·8*	40	−20
357	Irkutsk	52 16	104 19	467·0	954·8	1010·3	−0·3	..	300·8	15th	283·3	272·1	27th	288·5	−0·3	*288·2*	101	+37
358	Kirensk	57 47	108 7	? 263	978·2	1009·0	..	..	302·8	15th	283·8	273·4	29th	289·7	..	*289·4*	89	..
359	Tchita	52 2	113 30	673·8	931·1	1007·8	..	..	301·0	19th	284·1	273·9	28th	290·3	..	..	124	−98
360	Blagoveshchensk Priisk	58 10	114 17	? 490	953·5	1009·9	..	..	301·7	7th	280·5	271·5	28th	288·7	..	*288·4*	18	−53
360*a*	Nertchinsk	51 59	116 35	484·3	951·4	1006·8	..	..	303·3	26th	285·5	277·2	28th	292·4	−0·2	*292·2*	59	
361	Tygan Ourkan	54 5	124 46	? 370	967·9	1011·2	..	..	299·6	26th	281·5	274·6	24th	288·6	..	*288·3*	71	..
362	Blagoveshchensk	50 15	127 38	? 160	..	1013·8	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	300·1	28th	285·0	277·4	18th	289·9	..	*289·7*	160	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1009·5	1012·0	+3·3	..	298·6	30th	284·1	278·4	12th	288·6	−0·9	*288·2*	112	+33
366	Okhotsk	59 21	143 17	6·0	1011·9	1012·6	+1·6	..	291·2	31st	282·4	278·0	18th	285·4	−1·3	..	32	−10
367																		
368	Petropavlovsk Phare	52 53 N.	158 47 E.	87·1	1002·6	1013·2	+2·2	..	290·0	21st	282·1	280·8	4th, 5th	283·9	−3·3	..	106	..
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

AUGUST—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1017·2	+0·6	293·7	299·4	23rd	283·5	280·9	16th	288·6	−0·1	288·2	17	+ 2
412	Portland, Oregon	45 32	122 41	46·6	1011·6	1016·9	+0·7	298·0	305·2	23rd	286·9	283·6	16th	292·4	+0·6	*292·1*	7	− 9
413	Macleod	49 44	113 24	954	..	..	..	293·4	300·8	18th	280·6	274·7	22nd	287·0	−3·2	*287·3*	71	+ 22
414	Helena	46 34	112 4	1253	875·1	1015·2	+1·4	296·6	305·2	19th	282·6	276·3	24th	289·6	−2·4	*289·9*	22	+ 5
414*a*	Salt Lake City	40 46	111 54	1331	868·5	1011·2	−1·7	303·3	308·6	18th	290·3	284·1	25th	296·8	−0·4	*297·2*	1	− 19
415	Cheyenne	41 8	104 48	1856	816·1	1013·9	+0·7	299·1	305·2	8th	283·6	278·0	28th	291·3	−0·4	*291·5*	34	− 3
416	North Platte	41 8	100 45	860	918·4	1015·9	+2·0	301·1	309·1	14th	286·5	278·0	28th	293·8	−1·6	*293·8*	56	− 7
416*a*	Bismarck	46 47	100 38	510·2	956·7	1016·6	+2·7	297·3	305·8	14th	283·8	273·0	28th	290·6	−2·5	*290·5*	69	+ 19
417	Winnipeg	49 53	97 7	231·6	..	1015·6	+2·1	296·6	304·4	14th	283·9	277·3	26th	290·2	−0·1	*289·2*	59	0
418	Duluth	46 47	92 6	345·3	974·9	1015·9	+1·0	294·2	302·4	15th	284·1	278·6	29th	289·1	−2·2	*289·0*	77	− 13
419	Port Arthur	48 27	89 12	196·3	..	1015·5	+0·3	294·5	300·2	16th	282·6	274·7	29th	288·6	+0·1	*288·5*	75	− 2
420	Chicago	41 53	87 37	250·9	987·2	1016·6	+0·7	298·3	306·3	16th	291·9	288·0	24th	295·1	+0·3	*295·1*	95	+ 21
421	Toronto	43 40	79 24	106·7	..	1015·8	+0·2	299·3	305·1	8th	288·1	281·4	30th	293·7	+1·2	293·3	62	− 6
422	New York	40 43	74 0	96	1005·7	1016·9	+1·0	298·8	306·3	11th	291·3	285·2	30th	295·1	−0·3	295·7	187	+ 72
423	St. John, N.B.	45 17	66 4	21·3	..	1016·2	+1·7	293·9	299·8	5th, 6th	286·6	283·0	31st	290·2	+1·0	*289·8*	80	− 18
424	S. W. Point, Anticosti	49 24	63 35	9	1011·5	1012·6	+0·1	289·5	297·4	..	283·6	274·1	..	286·6	..	..	72	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1016·3	1017·2	..	294·1	299·7	..	288·7	286·3	..	291·4	..	..	43	− 60
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1013·4	−1·8	294·4	299·7	3rd	285·6	280·2	31st	290·0	+1·8	..	16	− 77
435	Madrid	40 24	3 41	655·4	942·0	1015·1	+0·3	307·7	312·1	8th	289·4	285·0	24th, 25th	298·6	+0·7	297·9	41	+ 30
436	Nantes	47 15	W 1 34	41·4	1012·4	1017·3	−0·3	301·0	308·5	9th	288·2	283·6	31st	294·6	+2·5	*294·2*	22	− 27
437																		
438	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·8	1016·6	+0·2	302·1	309·5	9th	287·3	282·0	31st	294·7	+3·7	294·4	9	− 45
438*a*	Marseilles	43 18	5 23	75·0	1005·8	1014·5	−0·6	304·0	308·3	6th	291·9	287·8	27th	298·0	+3·0	*297·7*	0	− 23
439	Zürich	47 23	8 33	493·2	960·7	1017·2	−2·2	..	305·4	20th	..	285·2	18th	293·9	+3·6	294·0	57	− 76
440	Rome	41 54	12 29	63·4	..	1015·1	+0·1	304·5	308	8th, 23rd	293·0	290	3rd, 18th	298·8	+1·7	*298·8*	23	− 4
440*a*	Vienna	48 15	16 22	202·5	991·7	1015·3	−0·1	298·0	301·6	7th	289·4	286·6	31st	293·7	+1·6	293·5	72	+ 4
441	Buda-Pesth	47 30	19 2	129·6	999·4	1014·6	−0·2	301·0	305·8	23rd	288·5	284·5	17th	294·8	+1·8	*294·9*	38	− 14
442	Bucharest	45 25	26 6	82	1003·6	1013·1	−1·3	303·2	312·2	24th	288·7	283·0	20th	296·0	+0·6	..	20	− 28
443	Odessa (University)	46 29	30 46	65·3	1005·6	1013·3	−0·7	299·4	304·9	23rd, 24th	290·4	284·8	18th	294·9	−0·4	*294·5*	45	+ 15
444	Kharkov (University)	50 0	36 14	140	..	1014·6	+1·4	..	302	..	..	281	..	292·3	−0·5	*291·9*	52	+ 2
444*a*	Novorossiisk	44 40	37 49	37	..	1011·8	−1·4	..	303	..	..	287	..	297·0	−0·3	296·6	44	+ 4
445	Tiflis	41 43	44 48	409	..	1011·6	+0·4	..	307	..	..	289	..	297·3	−0·2	*297·1*	39	− 1
446	Astrakhan	46 21	48 2	−14	..	1013·4	+0·7	..	304	..	..	286	..	295·8	−1·2	*295·4*	6	− 4
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1009·6	−2·1	..	310	..	..	289	..	301·5	−0·1	*301·2*	33	− 47
449	Tachkent	41 20	69 18	478·3	954·0	1007·7	+0·2	..	308·1	12th	288·4	282·9	8th	296·9	−1·7	*296·4*	1	− 1
450	Irgiz	48 37	61 16	112	995·4	1008·5	..	..	..	..	..	..	..	293·7	−2·5	*293·3*	25	+ 14
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	308·0	19th	..	..	..	293·7	−1·1	*287·9*	8	− 18
452	Vernyi	43 16	76 53	? 835	916·2	1009·9	+3·3	..	305·7	23rd	..	..	..	293·2	−1·4	*292·8*	42	+ 16
461	Mukden	41 48	123 23	43·8	1002·8	1007·9	+1·4	300·6	305·6	10th	291·5	288·3	18th	296·1	−0·6	..	289	+166
462	Joshin	40 40	129 11	4·0	1009·1	1009·6	+1·7	297·8	305·1	13th	291·6	288·1	5th	294·7	−0·1	..	70	− 91
463	Vladivostok	43 7	131 54	15·7	1008·4	1010·3	−0·4	..	298·8	26th	289·4	286·2	18th	292·3	−1·8	*292·1*	73	− 23
464																		
465	Ochiai	47 20	142 44	15·0	1010·7	1012·5	..	293·1	300·3	31st	283·3	277·8	19th	288·2	..	287·6	70	..
466	Nemuro	43 20 N.	145 35 E.	26·7	1009·1	1012·3	+0·8	293·3	300·6	6th	285·8	281·5	4th	289·5	−1·1	288·9	175	+ 80

Between Latitude 40° N. and 30° N.

AUGUST—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1009·3	1015·2	+2·0	289·7	299·1	20th	283·6	282·4	30th	286·7	−0·8	*286·0*	0	0
512	San Luis Obispo	35 18	120 39	61·3	1007·4	1014·9	+1·0	297·1	308·0	20th	283·3	280·2	15th	290·2	−0·3	*289·7*	0	0
513	Modena	37 48	113 54	1670	834·5	1011·2	0·0	303·0	305·8	18th	284·7	279·7	25th	293·9	+0·6	*294·1*	13	− 33
514	San Diego	32 43	117 10	26·5	1009·6	1012·5	+0·3	295·7	301·9	19th	289·7	287·4	13th	292·7	−0·7	*292·5*	0	− 3
515	Santa Fé	32 43	105 57	2138	791·3	1011·8	−0·3	299·4	303·6	9th	285·7	280·8	29th	292·6	+0·1	*292·3*	13	− 47
516	Denver	39 45	105 0	1613	839·7	1013·9	+0·7	302·1	309·1	8th	286·4	280·2	25th	294·3	−0·1	*294·3*	27	− 7
517	Abilene	32 23	99 40	529·7	953·2	1012·5	−0·7	307·4	312·4	14th	295·6	290·2	29th	301·5	+1·2	*301·3*	72	+ 22
518	Saint Louis	38 38	90 12	172·8	995·3	1015·6	0·0	301·9	308·6	9th	292·8	284·1	30th	297·3	−0·8	*297·2*	89	+ 22
519	Mobile	30 41	88 2	17·4	1012·9	1014·9	−0·3	304·5	308·6	8th	295·8	294·1	31st	300·2	+0·7	*299·5*	224	+ 51
520	Nashville	36 10	86 47	166·4	997·1	1016·6	+0·7	302·4	308·0	10th	293·0	288·6	29th	297·7	−0·8	*297·4*	131	+ 43
521	Charleston	32 47	79 56	14·6	1014·3	1015·9	−0·3	303·4	307·4	16th	296·8	293·0	22nd	300·1	+0·3	*299·5*	191	+ 14
522	Washington	38 54	77 3	34·1	1012·5	1016·2	0·0	302·9	310·8	11th	292·6	285·2	21st	297·8	+1·2	*297·6*	185	+ 73
523																		
524	Bermuda	32 17	64 46	46·0	..	1019·2	+0·3	301·9	303·3	5th	295·7	291·9	4th	298·8	−0·6	..	184	+ 32
531	Horta	38 32	28 38	30	..	1021·6	−0·8	297·9	300	2, 7, 22	293·1	290	9th	295·5	+0·2	..	96	+ 55
532	Ponta Delgada	37 44	25 40	17	..	1021·5	−0·5	297·3	299	3, 6, 22	292·4	289	31st	294·8	−0·3	..	27	+ 17
533	Madeira (Funchal)	32 37	16 54	25	1017·7	1020·6	+2·2	298·1	300·7	4th	289·3	287·8	13th	293·7	−0·2	..	0	− 2
534	Lisbon	38 43	9 9	95·4	1006·4	1017·5	+0·3	300·2	307·7	4th	291·3	288·6	22nd	295·7	+0·4	*295·1*	48	+ 43
535	Casablanca	33 37	7 35	17	1014·2	1016·2	..	297·9	299·4	..	293·7	291·2	..	295·8	+0·1	*296·2*	0	0
536	Gibraltar	36 6 N.	5 21 W.	16	1012·4	1014·2	−1·1	301·9	306·3	2nd	290·7	286·9	15th, 18th	296·4	−1·4	*296·3*	1	− 4
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

AUGUST—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1010·6	1015·0	+0·2	303·5	310·4	6th	296·1	294·1	30th	299·8	+1·0	*299·1*	0	— 4
538	Palma	39 33	2 42	23	..	1017·1	0·0	304·6	310	7th	295·6	294	sev. dates	300·1	+2·4	..	0	— 15
538*a*	Tunis	36 48	10 10	43	1012·7	1017·6	+1·6	306·7	313·5	22nd	296·1	293·8	30th	301·4	+2·3	..	0	— 10
539	Malta	35 54	14 31	59	..	1016·4	−0·3	303·5	307	1st	297·1	296	sev. dates	300·3	+1·3	..	0	— 4
540	Catania	37 30	15 3	64·9	1007·2	1014·7	−0·7	303·6	309·6	23rd	295·1	293·8	14th	299·4	+0·6	..	5	— 5
541	Athens	37 58	23 43	107·1	..	1011·5	−0·9	305·4	315	25th	295·4	290	19th	300·4	+0·2	*300·0*	10	0
542	Alexandria	31 9	29 54	32·0	..	1010·2	0·0	303·1	306	25th	296·6	296	1st	299·8	−0·1	*298·9*	0	0
543	Cairo (Helwan)	29 52	31 20	115·6	..	1009·5	−0·3	307·0	311	30th	293·9	291	1st	300·4	−0·4	300·3	0	— 2
544	Nicosia	35 12	33 24	152	..	1006·0	−1·7	310·1	314	25th, 28th	291·9	289	17th	301·0	−0·3	..	0	— 1
544*a*	Beirut	33 54	35 28	52·4	..	1007·1	−0·5	304·0	306	1st	295·7	294	10th	299·8	−0·5	..	0	0
545	Baghdad	33 21	44 28	38·7	996·7	1001·1	−1·6	315·1	318·1	1st	298·5	296·1	25th	306·8	−0·4	..	0	— 1
546	Lenkoran	38 46	48 52	−19	1013·1	1010·9	+0·4	..	305·4	3rd	293·1	289·4	13th	297·8	−1·3	*297·6*	25	— 27
547	Busrah	30 31	47 53	7·6	998·0	999·2	−1·7	312·4	315·9	11th	301·7	299·4	13th	307·1	+0·4	..	0	— 2
548	Meshed	36 16	59 35	946	903·4	1007·7	..	305·6	308·9	5th	286·9	281·1	31st	296·3	0·0	..	0	— 1
549	Quetta	30 11	67 3	1677	827·1	..	−0·5	308·1	310·8	16th	288·4	284·5	22nd	298·3	+0·9	*298·0*	13	+ 2
550																		
551	Lahore	31 34	74 20	214	975·1	998·5	−1·5	313·3	317·4	8th	301·8	295·9	30th, 31st	307·6	+3·5	*307·1*	89	— 46
551*a*	Simla	31 7	77 8	2204·3	777·8	..	+0·1	293·0	295·8	8th	288·8	284·6	20th	290·9	+0·5	*290·6*	371	— 90
552	Leh	34 10	77 42	3506	664·3	..	−0·5	298·3	301·3	29th	282·5	279·1	22nd	290·4	−0·2	*289·0*	3	— 10
552*a*	Dehra Dun	30 20	78 0	681	926·4	1000·0	−1·1	302·4	305·2	10th	296·1	292·7	20th	299·2	+0·4	*298·5*	645	— 135
559	Hang Kow	30 35	114 17	37·0	1000·2	1004·4	−1·3	305·6	310·1	2nd	298·3	294·3	30th	302·0	−0·7	..	75	— 99
560	Tiensin	39 10	117 10	5·0	1006·7	1007·3	+0·2	302·7	307·5	7th	294·5	291·9	25th	298·6	−0·9	..	186	+ 48
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1003·1	1003·9	−2·4	305·1	308·1	23rd	296·9	293·8	16th, 26th	301·0	+0·5	299·9	143	— 5
562	Chemulpo	37 29	126 32	67·6	1000·2	1008·6	+0·8	301·8	306·8	10th	294·5	291·6	24th	298·2	−0·6	297·9	113	— 77
562*a*	Nagasaki	32 44	129 52	133·0	992·6	1007·8	−1·2	303·4	306·1	13th	295·9	292·8	5th	299·6	−0·6	299·3	116	— 83
563	Kioto	35 1	135 46	49·4	1004·5	1010·1	+0·1	305·0	308·2	27th	293·8	287·3	22nd	299·4	−0·3	298·9	343	+203
564	Tokio	35 41	139 45	21·3	1008·4	1010·8	+0·1	302·7	306·4	21st	295·7	292·9	31st	299·2	+0·3	298·6	401	+238
565	Miyako	39 38	141 59	30·4	1007·7	1011·2	+0·1	299·5	304·0	9th, 14th	292·1	287·9	19th	295·8	+0·1	295·1	169	+ 13
566		N.	E.															

AUGUST—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.															
605	Honolulu	21 19	157 52	11·6	1013·5	1014·8	−0·4	301·3	302·4	..	295·9	294·1	..	298·6	−0·3	..	16	— 26
606																		
615	Zacatecas	22 47	102 35	2610	747·4	..	..	292·9	294·8	23rd	282·6	280·8	29th	287·8	..	..	36	..
616	Leon	21 7	101 41	1798·6	823·4	..	−0·3	300·3	302·9	22nd	287·2	285·2	25th	293·8	+0·4	..	161	+ 23
617	Galveston	29 18	94 50	16·5	1012·6	1014·2	−0·3	303·9	306·3	9th	298·6	293·6	11th	301·2	+0·1	*301·1*	139	+ 12
618	New Orleans	29 58	90 4	15·5	1013·0	1014·9	−0·3	304·9	309·1	9th	296·4	293·6	20th	300·7	+0·4	*300·0*	207	+ 65
619	Havana	23 8	82 22	24·3	..	1015·8	+0·3	..	305·4	11th	..	295·3	1st	300·5	−0·4	*300·2*	113	— 41
620	Key West	24 33	81 48	6·7	1014·8	1015·6	+0·3	303·9	305·2	6th	297·7	294·1	13th	300·8	−1·0	*300·9*	200	+ 81
621	Nassau, Bahamas	25 5	77 21	7·6	1016·1	1017·0	+0·8	304·6	305·2	20th	297·3	292·4	22nd	301·0	0·0	..	179	— 35
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	297·3	298·9	..	291·6	289·7	..	294·4	−1·1	..	0	— 2
634	Las Palmas, Canary Islands	28 7	W15 26	7	1016·5	1017·3	−2·3	299·3	303·6	5th	293·9	293·2	1st	296·6	−0·2	..	0	— 1
637	Insalah	27 17	E 2 27	330	977·0	1013·4	−0·2	317·3	321·0	17, 18, 23	300·1	297·6	22nd	308·7	−0·1	*309·0*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1012·0	+0·5	312·4	316	29th	294·5	292	23rd, 26th	303·4	−0·7	*303·5*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1008·2	−0·5	312·0	317	1st	296·1	293	25th	304·0	−0·8	*304·4*	..	..
643	Suez	29 57	32 32	3·4	..	1009·4	+0·4	309·5	313	26th	295·9	295	12th, 25th	302·7	+0·6	..	0	0
644	Aswan	24 2	32 53	99·6	..	1008·3	+0·8	313·1	316	27th	298·1	297	11, 13, 15	305·6	−0·7	*307·0*	..	..
647	Bushire	28 59	50 53	4	998·2	998·7	−0·9	307·6	310·7	10th	301·7	298·8	24th	304·7	−0·8	..	0	0
648	Jask	25 44	57 47	4	999·6	1000·1	−1·5	306·5	312·6	17th	301·0	299·3	22nd, 23rd	303·7	−1·1	..	0	0
649	Kurrachee	24 53	66 57	4	1001·2	1001·6	−0·3	302·5	304·4	19th, 27th	298·4	296·9	15th	300·4	+0·3	*299·8*	2	— 38
650	Hyderabad, Sind	25 24	68 18	29	996·4	999·6	−0·7	307·9	309·9	5, 7, 24	298·8	297·7	15th, 17th	303·4	−0·2	..	0	— 54
651	Jaipur	26 56	75 52	436	953·7	1001·3	−0·2	309·4	314·5	1st	299·2	295·6	29th	304·3	+2·5	*303·4*	80	+ 131
652	Nagpur	21 8	79 5	310	968·8	1003·6	+0·1	302·7	306·4	25th	296·4	294·6	4th	299·6	−0·6	*298·8*	336	+ 38
653	Allahabad	25 25	81 51	91	989·9	1000·4	−0·8	306·4	311·4	1st, 6th	298·7	296·3	24th	302·5	+0·5	*301·9*	240	+ 69
654	Calcutta	22 36	88 23	6	999·8	1000·5	−1·6	304·5	306·6	4th, 28th	299·2	298·0	11th	301·8	+0·7	*301·6*	216	— 93
655	Gauhati	26 8	91 41	59	996·2	1002·9	..	305·1	306·8	4 dates	298·2	296·1	6th	301·6	..	..	339	+ 99
655*a*	Cherrapunji	25 15	91 42	1313	863·5	..	..	295·2	298·1	28th	291·3	290·3	29th	293·2	..	..	1969	+1180
656	Shillong	25 33	91 48	1500	844·6	..	..	297·0	298·8	9th	290·8	287·8	31st	293·9	..	..	233	— 557
656*a*	Akyab	20 11	92 56	6	1003·6	1004·2	−1·2	302·2	304·3	28th	297·8	296·3	22nd, 23rd	300·0	−0·2	*300·1*	1703	+605
657	Phu Lien	20 48	106 37	115·6	988·5	1001·6	−2·3	306·5	310·3	31st	299·0	296·7	22nd	302·8	+1·0	301·9	85	— 178
658	Moncay	21 31	107 51	10	1000·3	1001·4	−2·4	306·2	308·8	3rd	297·9	295·2	11th	302·1	+0·6	*301·5*	290	— 208
659																		
660	Hong Kong	22 18	114 10	33·2	997·8	1001·5	−3·8	303·1	306·9	26th	298·8	296·5	6th	300·9	+0·3	300·7	764	+402
661	Taihoku, Formosa	25 2	121 31	9·3	1001·6	1002·6	−2·9	305·2	308·5	24th	297·0	295·1	10th	301·1	−0·2	300·3	630	+355
662	Naha	26 13	127 41	10·5	1003·0	1004·2	−3·6	304·1	306·3	7th	298·3	295·9	22nd	301·2	+0·2	300·8	194	— 64
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

AUGUST—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 14	100 7	1933	..	..	..	..	297·4	..	..	284·9	..	..	..	*290·4*	170	..
717	Salina Cruz	16 12	95 16	56·3	1005·4	1011·9	..	..	307·0	..	..	293·0	..	301·3	..	..	108	..
718	Mexico	19 26	99 8	2280	780·9	..	+0·6	296·5	298·9	25th	284·8	283·4	2nd	290·7	+0·1	289·5	111	— 4
718*a*	Oaxaca	17 4	96 44	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
719	Belize	17 29	88 12	2·1	1014·1	1014·3	+0·2	304·1	305·8	16th	298·8	296·3	15th	301·4	−0·9	*300·2*	194	— 40
720	San Salvador	13 44	89 9	657	938·1	1011·4	+0·2	304·7	306·7	24th	291·3	287·6	8th	298·0	−1·7	..	156	— 140
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·4	+0·2	304·9	306·1	2nd	295·4	294·1	7th	300·2	+0·5	*299·7*	131	— 40
722	Port au Prince	18 34	72 22	37·4	1010·0	1014·3	+2·4	307·8	310·2	..	295·6	293·5	..	301·7	+0·2	300·8	67	— 65
723	St. Croix (Christiansted)	17 45	64 42	6·6	1012·2	1013·1	..	304·4	305·5	..	299·1	297·8	..	301·8	..	..	25	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	994·8	1012·6	−0·1	302·1	305·2	21st	296·9	296·3	sev. dates	299·5	+0·2	*298·9*	202	— 43
725	Barbados	13 8	59 36	55·2	..	1010·9	−0·6	302·7	304·7	..	297·9	294·3	..	300·3	+0·2	*300·1*	197	+ 4
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·6	1015·8	+3·7	300·4	302·0	6th	296·2	293·0	3rd	298·3	−0·9	..	0	— 41
732	San Tiago, C. Verde Is.	14 54	23 31	34	1013·3	1017·2	..	301·5	302·8	10th, 15th	297·5	296·5	1st	299·5	+0·2	..	0	— 99
733	Bathurst	13 24	16 36	1·5	1013·0	1013·2	+0·3	301·9	304·7	21st	296·6	293·0	5th	299·3	−0·1	*299·9*	324	— 178
734	M'Carthy Island	13 24	16 36	1·1	..	..	..	306·6	308·6	2nd	294·0	288·6	13th	300·3	−0·4	..	215	— 62
735	Ségou	13 42	14 46	..	..	..	..	..	..	..	294·8	292·5	21st	..	..	..	150	..
736	Timbouctoo	13 34	6 17	? 272	980·7	1008·5	−0·8	311·7	315·0	..	296·7	293·0	..	304·2	+0·1	*303·3*	56	..
737	Sokoto	13 2	E 5 14	354	..	..	..	301·9	304·7	7th	294·9	293·0	9th, 20th	298·4	−0·4	..	198	+ 6
738	Kontagora	10 24	5 24	400	..	..	..	301·7	304·1	30th, 31st	293·6	292·4	1, 2, 15	297·7	−0·3	..	264	+ 3
739	Maiduguri	11 48	13 12	370	..	..	..	303·6	306·9	15th	294·6	292·4	10th, 12th	299·1	−0·8	..	323	+ 107
740	Katagum	12 17	10 22	329	..	..	..	304·2	308·0	1st	294·7	291·9	8th	299·4	−0·1	..	195	— 11
743	El Obeid	13 11	30 14	585	..	1012·0	−0·3	305·5	310·1	8th	294·0	290·8	14th	299·8	−0·2	*300·0*	114	— 2
744	Khartoum	..	..	390	..	1009·2	+0·7	311·3	313·3	21st, 30th	298·5	294·1	26th	304·9	+0·5	*305·3*	12	— 12
746	Aden	15 37	32 33	28·7	1001·9	1005·1	+0·2	306·9	308·6	20th	301·3	298·8	1st	304·1	+1·3	*304·3*	9	+ 5
751	Bombay	18 54	72 49	11·3	1005·8	1007·1	+0·2	301·7	303·3	11th	298·1	296·6	5, 6, 7	299·9	−0·1	*299·3*	434	+ 74
752	Mysore	12 18	76 40	768	925·8	1010·0	+0·6	300·4	301·9	3rd	291·4	289·7	15th	295·9	−1·1	296·1	42	— 48
752*a*	Kodaikanal	..	..	2343	769·8	..	+0·1	291·2	293·3	26th	283·5	281·6	15th	287·3	−0·1	286·6	53	— 138
753	Madras	10 13	77 28	6·7	1006·5	1007·4	+0·1	309·2	312·7	16th	299·1	296·3	11th, 22nd	304·1	+1·4	302·8	55	— 71
754	Waltair	13 4	80 14	68·9	995·1	1002·8	−0·7	304·6	307·8	24th	298·8	297·1	5th, 18th	301·7	..	*301·1*	79	— 63
755	Port Blair	17 45	83 16	17·7	1006·4	1008·3	0·0	302·6	303·7	9th, 11th	298·2	296·3	13, 14, 24	300·4	+0·1	*299·8*	187	— 189
756	Rangoon	16 46	95 48	5·5	1006·9	1007·5	−0·3	302·1	304·2	13th	297·1	296·0	19th	299·6	−0·3	*298·7*	562	+ 62
757	Saigon	10 46	106 42	11·2	1006·2	1007·5	+0·1	306·0	307·9	11th	295·6	294·3	23rd	300·8	0·0	..	178	— 103
758	Nhatrang	12 16	109 12	6·8	1003·6	1004·4	−1·0	308·7	310·4	5th	297·8	296·6	20th	303·3	+1·2	..	2	— 34
759	Bolinao	16 24	119 53	7·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
760	Vigan	17 34	120 23	14·7	..	1004·4	−1·8	302·5	304·5	22nd	295·7	293·9	11th	299·1	−0·5	299·2	1783	+1064
761	Manila	14 35	120 59	14·2	..	1005·9	−1·6	304·0	305·7	11th	297·2	295·1	21st	300·6	−0·3	299·8	419	+ 67
762	Ormoc	11 0	124 36	5·6	..	1007·1	−0·8	303·5	305·6	7th	296·8	294·8	19th	300·2	+0·2	299·9	65	— 223
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·1	304·0	14th	297·5	295·6	31st	299·8	..	..	500	..
		N.	E.															

Between Latitude 10° N. and 0°.

AUGUST—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N.	° W.															
805	Fanning Island	3 55	159 23	4·3	1010·5	1010·9	−0·8	303·3	305·5	16th	298·2	296·1	16th	300·8	+0·3	*299·9*	111	+ 17
819	Culebra	9 10	79 40	123·1	..	1009·7	−0·4	303·6	305·8	7th	295·8	294·1	12th	299·7	+0·1	..	212	— 53
822																		
823																		
825	El Peru, Guayanavieja	7 30	62 0	? 300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	1012·7	1012·9	+1·0	303·5	304·3	27th	296·1	294·8	11th	300·1	+0·1	..	102	— 59
826*a*	Paramaribo	5 49	55 9	4	1012·7	1013·2	..	304·3	305·6	17th	296·1	294·8	18th, 23rd	300·2	..	299·3	100	— 54
	Cayenne	4 56	52 21	6	..	..	..	304·7	305·8	18, 23, 26	295·6	295·0	sev. dates	300·2	−0·7	..	30	— 25
833	Conakry	9 31	13 43	16	1011·8	1013·6	+0·3	300·1	304·3	..	295·1	293·4	..	297·6	−0·4	..	1107	— 3
834	Sierra Leone	8 30	13 9	68·3	1004·6	1012·5	−0·3	300·9	303·7	10th	294·7	292·2	2nd	297·8	−0·9	..	916	— 56
835	Cape Coast Castle	5 5	1 13	..	..	..	..	299·6	301·9	9th	292·1	289·1	15, 19, 29	295·8	−1·8	..	3	— 14
836	Accra	5 35	W 0 6	18	..	..	..	299·1	300·2	10, 30, 31	293·9	293·0	15, 17, 19	296·5	−0·4	..	0	— 13
837	Lagos	6 22	E 3 28	7·6	1013·4	1014·3	+0·8	302·3	303·7	..	295·1	293·6	..	298·7	+0·6	..	8	— 48
838	Zungeru	9 48	6 10	130	997·9	1012·9	−0·3	302·0	305·2	31st	294·3	293·0	2, 15, 23	298·2	−0·4	..	121	— 115
838*a*	Libreville	9 48	9 26	35	..	..	..	301·8	302·9	30th	293·7	291·1	15th	297·8	+0·1	..	15	0
839	Yola	0 23	12 30	259	..	..	..	302·7	305·8	20th	294·9	293·6	2, 16, 31	298·8	+0·4	..	304	+107
841	Kafia Kingi	9 12	12 30	596	946·6	1012·9	..	..	..	..	..	..	..	295·6	..	..	281	..
842	Wau	9 22	24 18	1177	..	1011·5	..	303·7	307	5th	292·2	291	25th	298·0	..	..	264	+ 46
843	Entebbe	7 42	28 3	440	883·3	..	−0·5	297·4	299·7	4th	289·3	288·0	15th	293·3	−0·1	*292·9*	168	+ 85
844	Nandi	0 5	32 29	2010	..	..	..	296·4	296·9	24th	281·7	280·8	21st	289·1	−0·4	..	299	+ 77
845		0 2	35 5															
851	Cothin	10 0	76 21	2·7	1010·9	1011·2	+0·6	302·3	303·4	5 days	296·6	294·8	22nd	299·4	+0·3	*298·8*	245	— 87
852	Colombo Observatory	6 54	79 53	7·3	1008·6	1009·4	+0·6	304·0	305·3	17th	297·8	295·4	21st	300·9	+0·2	300·0	34	— 56
853	Candy	7 18	80 40	504·5	..	..	..	300·7	302·9	24th	293·7	291·8	23rd	297·2	+0·3	..	89	— 55
855	Medan	3 35	98 41	23·5	..	1008·9	−0·9	305·2	308·1	14th	294·0	292·5	17th	299·6	..	..	167	— 15
856																		
857	Penang	5 34	100 20	5·0	1007·2	1007·8	−2·1	304·5	305·8	17th	296·1	294·7	20th	300·3	+0·1	..	202	— 154
858	Singapore	1 17	103 51	3·0	1009·5	1009·8	+0·9	303·8	305·2	4th	296·7	295·3	13th	300·3	+0·4	..	224	+ 32
860																		
861	Sandakan	5 49	118 12	..	..	..	..	304·8	305·8	1, 8, 18	296·7	295·2	23rd, 24th	300·8	+0·4	..	231	+ 16
862	Tagbilaran	9 38	123 51	21·8	..	1007·3	−0·6	..	..	..	..	..	..	..	..	..	8	—114
863	Surigao	9 48	125 29	6	..	1006·8	−1·0	304·9	306·9	31st	297·6	295·1	18th	301·3	+0·1	300·9	142	+ 52
869	Yap	9 29	138 8	31·9	..	..	..	302·8	305·8	31st	297·5	†296·2	3rd	300·2	..	..	357	..
	Uyelang	9 42	161 2	<10	1008·0	1009·1	−1·2	..	..	..	..	..	..	..	..	..	285	+ 51
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

AUGUST—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1009·3	1010·2	+0·8	305·7	306·9	22nd, 25th	297·6	296·3	3, 18, 31	301·7	+0·5	..	22	— 26
906																		
923	Manaos	3 8	59 59	32·4	1003·8	1007·5	−1·5	..	..	..	..	..	..	301·0	−0·8	..	12	— 31
930	Fernando Noronha	3 51	W32 25	95	..	1014·3	+1·5	299·3	300·0	..	296·1	293·8	..	297·7	..	..	28	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	302·1	305·1	16th	290·3	287·3	10th	296·2	−0·4	..	0	0
940	Loango	4 38	11 50	? 50	..	..	..	297·4	298·0	27th, 28th	290·9	288·7	8th	294·2	..	..	0	..
943	Daressalam	6 49	39 18	7·6	1015·8	1016·6	−0·8	299·6	301·3	15, 16, 21	291·8	289·9	3rd, 15th	295·7	−0·7	295·6	32	— 36
944	Nairobi	1 18	36 59	1660	..	..	..	293·6	298·0	4th	283·1	279·7	29th	288·3	−0·6	..	30	+ 5
944a	Zanzibar	6 10	39 11	21·9	1016·1	1018·6	−0·2	299·7	301·1	30th	295·1	294·4	3rd	297·4	−0·5	*296·5*	45	+ 1
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	301·7	305·2	28th	294·6	288·6	2nd	298·1	..	..	18	— 45
947	Seychelles	4 37	55 27	4·6	1012·6	1013·1	+0·2	299·9	300·8	..	297·3	295·8	..	298·6	−0·1	..	18	— 53
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·9	−0·2	..	..	..	..	..	..	..	..	..	246	— 117
957	Batavia	6 11	106 50	8	..	1010·6	+0·1	303·4	305·0	28th	295·4	293·3	27th	299·4	0·0	299·1	5	— 34
958	Pontianak	0 1	109 20	2·6	..	1010·4	+1·1	..	..	..	..	..	..	..	..	..	200	— 31
959	Passeroean	7 38	112 55	5·0	..	1011·4	+0·3	303·3	305·0	..	293·0	290·0	..	298·2	..	..	0	— 7
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	0	— 17
961	Koepang	10 10	123 34	3·3	..	1011·9	+0·6	..	..	..	..	..	..	..	..	..	0	— 3
962	Ambon	3 42	128 10	4·2	..	1011·8	+0·8	..	..	..	..	..	..	..	..	..	159	— 243
965	Daru	9 4	143 13	8	1013·6	1014·5	+2·2	301·3	..	..	295·8	..	..	298·6	+0·6	..	23	— 50
966	Port Moresby	9 29	147 9	39	..	..	..	..	..	..	..	..	..	..	..	..	4	— 22
967	Rakuranga	4 13	152 8	ca.120	..	..	..	..	..	..	..	..	..	..	..	..	136	..
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	282	— 102
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·6	1008·8	−1·0	303·0	304·7	11th, 27th	297·3	295·2	12th	300·2	+0·5	..	191	— 4
970	Ocean Island	0 52	169 36	48·5	1005·3	1007·4	−1·0	303·7	304·8	11th	297·2	295·8	21, 22, 29	300·4	−0·7	..	119	+ 58
		S.	E.															

AUGUST—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1012·6	1016·9	−0·8	299·9	303·0	29th	291·9	286·9	24th	295·9	+0·2	..	57	— 91
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	1007·4	1012·8	−0·4	301·9	303·5	..	295·1	292·9	..	298·5	..	..	64	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	291·6	293·2	8th	285·1	283·3	1st	288·4	−1·5	*288·9*	0	.. 0
1022	Arequipa	16 22	71 33	2451	760·9	..	−0·2	292·9	295·2	11th, 12th	282·1	276·9	2nd	287·5	+1·1	..	0	
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	286	−2	..	10	+ 6
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	297·8	+0·2	..	8	— 3
1026	Cuyaba	15 36	56 0	235	992·9	1020·0	−0·9	302·7	306·5	..	294·0	290·1	..	298·4	−0·1	..	153	+ 144
1035	St. Helena	15 57	W 5 40	632	949·4	1023·6	+2·1	289·1	291·6	20th	284·3	283·0	4th, 10th	286·7	−0·4	*286·4*	135	+ 32
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	861·7	..	−0·9	296·6	300·8	..	279·9	272·4	..	288·3	0·0	..	0	— 5
1043	Salisbury, Rhodesia	17 49	31 3	1487	..	..	..	295·3	300·2	..	280·4	276·1	..	287·9	−0·7	..	1	— 6
1044	Zomba	15 23	35 18	899	910·5	1012·3	+1·7	296·1	298·6	27th	284·1	281·3	2nd, 20th	290·1	−1·0	*289·0*	9	+ 25
1045	Tamatave	18 9	49 26	4	1021·1	1021·5	+0·5	..	..	..	292·0	289·5	..	294·1	−0·4	..	217	— 2
1046	Tananarivo	18 55	47 32	1400	868·5	..	+0·6	294·2	297·8	16th	281·9	277·9	12th	288·1	−0·1	287·1	7	— 2
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1015·3	+2·2	300·4	302·6	9th	296·7	294·8	24th	298·6	−0·4	..	79	— 51
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1009·6	1010·2	−0·2	303·3	304·4	..	295·7	294·0	..	299·5	+0·1	..	60	— 14
1058																		
1061	Derby	17 18	123 40	16·2	..	1015·8	+1·7	303·6	307·9	17th	288·7	284·2	12th	296·2	−0·4	..	0	— 3
1062	Hall's Creek	18 13	127 46	373·4	..	1015·3	+0·1	303·9	306·9	17th	283·0	278·1	1st	293·4	−0·1	..	0	— 2
1063	Port Darwin	12 28	130 51	29·6	..	1013·4	+1·2	303·7	306·2	29th	292·9	290·4	3rd, 4th	298·3	−1·0	*297·1*	0	— 4
1064	Daly Waters	16 16	133 23	213	..	1014·2	..	304·1	306·3	21st	284·9	279·7	3rd	294·2	−1·3	*293·5*	0	— 3
1065	Mein	13 13	142 57	121·9	..	1013·4	..	302·1	304·9	24th	288·6	284·7	15th	295·3	..	..	0	— 2
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1015·8	..	302·0	304·7	15th	284·0	277·3	7th	293·0	..	..	0	— 2
1067	Samarai	10 37	150 40	6·4	..	..	..	..	..	..	..	..	..	..	..	..	99	— 117
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	300·2	304·3	25th	290·0	284·9	17th	295·1	..	..	63	..
1071																		
1072	Suva, Fiji	18 8	178 26	14·8	..	1014·7	−0·6	298·6	303·0	27th	293·3	290·2	16th, 17th	296·0	−0·3	..	182	— 2
		S.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

AUGUST—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	297·0	299·7	10th	292·4	286·9	24th	294·7	..	..	75	— 21
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1019·0	1022·6	..	294·3	296·4	10th	288·2	285·5	18th, 19th	291·3	..	288·8	48	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1013·6	1016·6	−1·1	288·4	290·5	26th	282·7	280·0	8th	285·6	+0·4	*285·1*	0	— 23
1122	Puerto de Antofagasta	23 39	70 25	10	1014·8	1016·0	+0·7	296·6	297·2	31st	284·5	284·0	3rd	290·6	+1·0	*291·3*	0	0
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	..	..	..	..	43	+ 8
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	263	+163
1127	Curityba	25 26	49 16	908	915·7	1020·5	−0·5	291·5	301·1	..	280·0	271·5	..	285·8	−1·1	*285·4*	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1010·1	1017·7	−1·5	..	..	..	..	..	..	293·2	−0·7	..	41	— 6
1139	Windhuk	22 34	E17 5	1665·3	835·7	..	..	295·5	299·2	18th, 19th	281·2	272·6	7th	288·3	−0·4	288·6	1	— 2
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	290·6	295·8	23rd	284·1	271·1	31st	287·3	−0·6	*286·9*	0	— 5
1142	Kimberley	28 43	28 46	?1232	886·2	..	−0·1	292·8	..	..	277·3	..	..	285·1	−0·7	284·5	6	+ 3
1142a	Pretoria	28 43	28 46	?1232	..	..	..	295·9	301·3	22nd	277·5	272·0	27th	286·7	−3·3	..	2	— 4
1143	Durban	29 51	31 0	1338	..	..	..	296·2	299·6	..	285·7	282·1	..	290·9	−1·0	..	27	— 17
1144	Lorenzo Marques	25 58	32 36	79·9	..	1021·8	+1·7	297·2	303·9	24th	286·0	281·9	10th	291·6	−1·4	291·0	11	0
1147	Mauritius	20 6	57 33	59	1013·6	1020·2	−0·4	296·9	299·4	9th	289·8	285·9	7th	293·4	0·0	292·9	29	— 35
1148				54·3														
1159	Onslow	21 43	114 57	4·3	..	1016·0	−0·2	299·4	303·1	1st	284·9	277·5	13th	292·2	+0·4	..	1	— 10
1160	Peak Hill	25 38	118 47	588·3	..	1016·8	−0·9	293·9	300·8	29th	281·4	275·2	10th	287·7	−0·2	..	1	— 17
1161	Nullagine	21 53	120 5	385·6	..	1017·0	+0·4	298·4	304·1	7th	282·3	274·1	11th	290·3	−0·3	..	23	+ 11
1162	Laverton	28 40	122 23	466·3	..	1019·4	−0·5	291·6	301·9	29th	279·2	274·1	11th, 12th	285·4	−0·5	..	11	— 5
1163	Alice Springs	23 38	133 37	587·0	..	1016·8	−1·1	296·4	303·5	31st	280·7	274·7	26th	288·6	+0·9	*288·4*	8	— 2
1164	William Creek	28 55	136 21	76·2	..	1018·6	..	295·3	306·3	31st	280·8	275·8	26th	288·1	..	*287·9*	3	— 5
1165	Boulia	22 55	139 38	145·7	..	1016·2	..	299·7	305·2	15th	283·1	277·4	1st	291·4	..	..	3	— 3
1166	Mitchell	26 32	147 52	337·1	..	1018·7	..	295·0	299·7	16th	275·8	269·7	1st	285·4	..	..	20	— 2
1167	Rockhampton	23 24	150 30	11·3	..	1018·9	..	298·4	302·6	14th	283·8	276·6	1st	291·2	..	..	30	+ 3
1168	Brisbane	27 28	153 2	41·7	..	1019·6	+0·8	294·6	297·2	14th	282·8	276·5	2nd	288·7	−0·2	..	56	— 4
1169	Noumea	22 16	166 27	9	1014·1	1015·2	..	296·3	299·0	24th	289·0	285·8	14th, 15th	292·7	−0·4	..	147	+ 80
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	112	— 40
		S.	E.															

Between Latitude 30° S. and 40° S.

AUGUST—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1023·0	1024·2	+2·5	287·7	290·2	4th	..	..	..	285·2	−0·2	..	73	— 36
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1013·9	1018·8	+1·1	288·8	297·9	12th	281·0	277·0	6th	284·9	−1·9	*284·2*	30	— 50
1222	Santiago	33 27	70 42	520	957·8	1019·8	+0·7	288·3	297·3	13th	275·4	269·8	5th	281·9	−1·2	280·7	12	— 47
1223	Cordoba	31 25	64 12	439	967·2	1019·5	+0·3	..	..	..	..	..	..	283·7	−2·7	..	45	+ 34
1224	Buenos Ayres	34 16	64 11	25·2	1014·9	1018·0	+0·1	..	..	..	..	..	..	282·5	−2·1	..	55	— 4
1225																		
1226	Montevideo	34 52	W56 12	29·3	1013·7	1017·2	−1·4	286·9	292·1	9th	280·0	272·9	27th	283·5	−0·1	283·0	109	+ 38
1239	Cape Town	33 56	E18 29	9	..	1022·4	+2·2	289·8	298·9	31st	281·5	276·9	27th	285·7	−0·2	*284·2*	59	— 20
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	74	..
1241	Heidelberg	34 5	20 58	1541	853·8	..	+0·5	295·4	299·1	23rd	274·8	267·2	13th	285·1	+0·6	..	4	— 33
1242	East London	33 2	27 55	10·1	1019·5	1020·7	+1·2	292·1	297·4	21st	282·5	279·1	8th	287·3	−1·6	..	11	— 28
1259	Perth (Observatory)	31 57	115 51	60·0	..	1020·3	+1·5	290·0	297·6	24th	280·9	275·2	9th	285·4	−0·9	..	85	— 60
1260	Katanning	33 42	117 35	309·7	..	1018·9	+0·5	288·1	294·1	24th	278·2	274·4	14th	283·1	−0·2	..	62	+ 1
1261	Coolgardie	30 57	121 10	423·3	..	1019·7	+0·3	290·2	298·0	28th	278·6	274·3	20th	284·4	−0·4	..	14	— 11
1262	Eucla	31 45	128 58	4·6	..	1017·5	−0·8	292·9	305·8	30th	280·6	275·3	18th	286·8	+0·2	..	35	+ 10
1263	Streaky Bay	32 48	134 13	13·1	..	1018·9	−0·6	290·7	299·7	30th	281·8	276·3	25th	286·2	+0·9	..	63	+ 14
1264	Adelaide	34 56	138 35	42·7	..	1019·6	+0·3	291·4	302·4	31st	281·8	276·3	21st	286·6	+1·5	*286·5*	19	— 41
1265	Melbourne	37 49	144 57	35·1	..	1020·8	+2·7	289·1	295·3	31st	281·6	276·4	27th	285·3	+1·8	*284·9*	35	— 11
1266	Bourke	30 13	145 58	110·1	..	1021·3	+0·8	294·2	303·0	31st	279·2	273·9	1st	286·7	+0·1	..	4	— 20
1267	Sydney	33 51	151 13	44·5	..	1021·7	+3·2	289·9	294·8	31st	282·0	279·2	1st	286·0	+0·3	..	190	+108
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	97	— 44
1271	Auckland	36 50	174 50	38·1	..	..	..	287·8	289·7	3rd, 4th	280·9	277·4	10th	284·4	+0·2	..	82	— 23
1272																		
		S.	E.															

Between Latitude 40° S. and 50° S.

AUGUST—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	58	..	..	..	283·9	288·0	18th	278·3	273·6	6th	281·2	+0·6	..	119	+ 46
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	278·6	275·8	15th	281·2	+0·1	*281·1*	197	— 61
1322	Punta Galera	40 1	73 44	40	1014·2	1019·1	+2·3	284·5	287·0	1st	279·8	276·8	6th	282·2	+0·3	*281·5*	254	— 33
1323	Bahia Blanca	38 45	W62 12	20	1113·9	1016·3	+0·9	..	..	..	..	..	..	282·4	−0·9	..	2	— 26
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1018·2	+4·7	286·6	292·4	7th	278·5	274·2	27th	282·6	+0·8	*282·1*	33	— 13
1366	Launceston	41 27	147 10	9·4	..	1018·5	..	287·5	290·7	7th	278·3	273·3	24th	282·9	+1·9	..	33	— 39
1369																		
1370	Dunedin	45 52	170 31	90	..	1015·8	+3·4	284·5	291·3	31st	276·8	273·6	27th	280·7	+1·3	..	18	— 70
1371	Christchurch	43 32	172 38	7·6	..	1017·4	+3·5	285·3	292·3	15th	274·9	271·2	11th	280·1	+0·1	..	2	— 55
1372	Wellington	41 16	174 46	33·5	..	1018·1	+4·4	285·4	289·2	17th	279·6	275·6	11th	282·5	+0·4	..	35	— 86
		S.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

AUGUST—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	992·7	999·4	+2·5	287·6	289·8	3rd	274·5	273·0	var.	281·1	+3·5	*277·3*	196	— 5
1422	Puerto de Punta Arenas	53 10	70 54	4	993·9	994·4	−6·4	278·1	281·7	1st	273·3	269·8	29th	275·7	−0·2	275·5	32	— 1
1423	Punta Dungeness	52 24	68 25	5	997·1	997·7	−5·8	278·4	281·2	20th	..	..	..	276·3	+0·5	*276·2*	65	+45
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	996·1	−7·9	278·0	280·8	13th	272·7	271·3	27, 28, 29	275·3	−1·0	275·9	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	993·9	994·4	−5·5	274·6	278·2	2nd	268·5	261·7	31st	271·6	−0·1	*271·5*	217	+101
1430		S.	W.															

AUGUST—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	989·3	990·2	−4·9	270·0	273·4	..	263·9	255·0	..	267·0	+3·7	*267·3*	30	— 6
1528																		

AUGUST—ZONE 16. Between Latitude 70° S. and 80° S.

1605	Framheim	S. 78 38	W. 163 37	11·1	979·8	981·5	..	..	249·0	27th	..	214·5	13th	228·5	..	..	..	..
1669			E.															
1670	Cape Evans(McMurdo Sound)	77 38	166 24	18	..	988·4	+2·6	..	263·7	..	..	233·4	..	..	−3·6	243·5	..	..
1671	Cape Adare	71 18	170 9	..	..	984·4	..	..	261·9	..	..	236·3	..	..	..	247·6	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—AUGUST 1911.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction and Force.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.
1	SE by E	4·9	SE 2	SW 2	W 2	W 2	E 2	E 2	SE 2	NE 1	Calm	Calm
2	SE by E	3·8	SW 2	SW 2	N 2	SW 2	SE 3	E 3	S 2	NE 1	NE 1	Calm
3	SSE	5·1	SW 2	SE 2	N 2	Calm	E 1	E 1	SE 1	E 1	E 1	NE 3
4	SE by S	6·6	SE 2	Calm	Calm	Calm	E 1	SE 1	SE 3	W 2	W 1	E 2
5	SE	9·1	Calm	Calm	W 3	W 5	SE 2	SE 1	SE 3	NW 1	E 1	NE 1
6	SE	9·9	Calm	Calm	W 2	W 3	SE 2	SE 2	Calm	S 1	S 1	NE 1
7	SE by E	10·6	SE 2	Calm	W 2	W 2	SE 2	E 2	Calm	NE 1	E 1	NE 1
8	SE by S	11·0	E 2	SE 3	Calm	W 3	E 1	SE 1	SW 3	E 1	E 1	NE 2
9	SE	8·1	SE 4	SE 4	W 3	W 3	E 2	E 2	SW 3	E 1	NE 1	Calm
10	SE by S	8·1	NE 2	NE 4	Calm	Calm	SE 3	E 2	SW 1	NE 1	N 1	Calm
11	SE	8·3	SE 4	SE 4	Calm	W 5	E 4	E 2	SSE 1	N 2	E 1	NW 2
12	SE by S	10·1	SE 4	SE 4	Calm	W 3	E 2	E 2	SE 2	NE 1	S 4	SW 5
13	SE by S	11·1	SE 4	SE 4	W 3	W 2	E 1	E 3	SE 3	NW 1	S 1	SE 4
14	SSE	..	SE 4	SE 4	Calm	Calm	E 1	E 2	SE 5	S 4	SE 1	Calm
15	SE by S	..	E 2	Calm	Calm	W 3	E 2	E 1	SE 3	SE 2	SE 1	NW 2
16	SE by S	7·3	Calm	Calm	W 2	W 3	N 1	NW 1	SE 5	SE 3	SE 1	N 1
17	SE by S	9·5	Calm	Calm	W 3	W 3	W 1	Calm	SE 4	SE 2	SE 1	NE 1
18	SE	..	Calm	Calm	W 2	W 3	NE 1	E 1	SE 2	SE 4	SE 1	E 1
19	SE by S	..	SE 2	E 4	Calm	W 2	NE 2	E 2	SE 2	S 1	E 1	N 1
20	SE	3·6	E 4	SE 4	W 2	W 3	NE 3	E 2	SE 5	SE 3	SE 2	SE 1
21	SE by S	8·9	SE 4	SE 4	Calm	W 3	E 4	E 2	SE 4	SE 1	SE 1	SE 3
22	SE	10·1	SE 4	SE 2	W 2	W 3	E 3	E 2	SE 4	SW 2	SW 3	SE 3
23	SE by S	10·9	E 2	Calm	W 3	W 3	E 2	SE 2	SE 4	SE 2	SE 1	E 3
24	SE by S	11·9	SE 2	E 2	W 3	W 3	SE 4	E 2	SE 2	SE 1	SE 1	NW 1
25	SE	13·3	SE 2	SE 2	W 3	W 3	E 3	E 2	SE 2	SE 1	SE 1	N 3
26	SE	11·4	Calm	NE 2	Calm	W 3	E 5	E 4	SE 2	SE 1	SE 1	NE 2
27	SE	8·3	E 3	E 4	W 3	W 3	SE 2	SE 2	SE 1	SE 2	SE 1	N 1
28	SE by E	8·3	SE 4	E 3	W 2	Calm	SE 3	SE 3	SE 2	SW 2	SW 1	NW 1
29	SE by S	6·9	SE 2	E 2	Calm	W 3	SE 4	SE 4	SE 4	SW 1	SW 1	Calm
30	SE by E	5·8	Calm	Calm	Calm	W 3	SE 2	SE 2	SE 4	SW 2	SW 3	E 1
31	SE	4·2	SE 2	E 2	W 3	W 3	SE 2	SE 1	SE 4	SW 4	SW 2	SE 3
Mean for Month	..	8·4	..	2·2	..	1·5	..	2·5	2·3	..	1·8	1·4	..	1·5
Deviation from Normal	..	+0·1	..	2·1	..	2·5	..	2·0	−1·1	2·7	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—AUGUST 1911.

**Seas round Novaja Zemlja and Spitsbergen. Barents Sea.*—" Along the coast of Novaja Zemlja the sea was ice-free up to 77° N., where unbroken polar ice was observed. In 50° E. a tongue of ice extended to 76° N. W. of that a large bight in the ice permitted approach to Franz-Joseph Land ; still further west ice was met in 76° N. during the first days of the month, almost to Bear I. The ice, however, rapidly melted away, and by 13th sealers reached the Thousand Is. The ice boundary lay to E. on lat. 77° ; but here also the sea became ice-free later and the ice-edge was only a little S. of King Charles Land."

**Spitsbergen.*—" At first the ice lay along the west coast up to Bell Sound, N. of which the sea was open ; during the month it disappeared except in the Storfjord. For the north coast there is no information."

**Greenland Sea.*—" Between 72° and 75½° N. it was impossible to reach land. The ' Laura,' beset at Bass Rock in July, drifted south with the following speeds in miles per day :—

Date	5–6	7–9	10	11	12	13	14	15	16	17–20	21–22	23–24	25–26	27–30
Speed	4	2	5	10	7	13	4	12	5	2	16	7	13	2

The ice-belt was not broad, but consisted of close-packed, thick ice with a few larger floes. The surface temperature only 4 miles outside the ice boundary was 4° C. (277° A.), though there is usually a broad belt of cold water E. of the firm ice-edge. All through August the ice was pressed against the land by continuous N.E. winds."

**Iceland.*—" The coasts were ice-free." **Denmark Strait.*—" On the 29th there was only a little scattered ice near the land at Angmagsalik."

North Atlantic and Labrador.—" On the Newfoundland Banks the number of bergs decreased considerably, and they lay further north, limits 42° N. and 47° W. On 21st a very large berg was sighted in 43° N. 51° W. On 22nd at least 20 bergs were passed in about 52° N. 52° W. In and off the Belle Isle Strait large and small bergs were numerous, as far as 54° W."

**Davis Strait.*—" The coast was generally ice-free."

**Baffin Bay.*—" The south of Melville Bay was ice-free. In the north the ice, in the middle of August, was in lat. 75°. N. from Cape York icebergs and calf-ice lay in vast masses along the land. At the end of the month the ice in Melville Bay had mostly disappeared."

* " *Hudson Bay* was quite open, and even James Bay quite free, though it is usual to meet dense pack south of Cape Henrietta Maria and Bear Is."

**Beaufort Sea.*—" The firm ice-edge lay almost as in July ; only off Point Barrow considerably more N."

**North Coast of Siberia.*—" Ice was met between 180° and 174° E. ; W. of this, the coast was ice-free as far as 160° E."

* *Isforholdene i de arktiske Have, 1911*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, SEPTEMBER 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF SEPTEMBER 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

SEPTEMBER—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1006·8	1007·6	..	..	..	..	..	..	..	271·9	..	*271·9*	11	..
124																		
125	Upernivik	72 47	W56 7	18·9	1005·8	1008·2	+0·2	277·0	282·7	14th	270·3	264·5	30th	273·7	−0·2	*274·0*	9	— 17
126																		
139	Spitsbergen	78 2	E 14 14	11·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1007·0	1007·6	−0·9	..	289·0	25th	278·4	274·1	12th	..	+1·6	*281·2*	79	+ 10
142	Mehavn	71 1	27 47	6·4	1008·0	1008·5	..	..	287·5	22nd	278·0	273·5	16th	..	..	*281·0*	28	— 60
143	Vardö	70 22	31 8	10·0	1009·5	1010·3	+0·8	..	289·0	29th	278·5	274·6	14th	..	+1·2	*280·5*	12	— 42
144		N.	E.															

SEPTEMBER—ZONE 2. Between Latitude 70° N. and 60° N.

209	Dawson	N. 64 4	W. 139 20	321	976·1	1014·9	+1·0	286·3	298·0	6th	272·3	261·9	19th	279·3	+0·8	..	22	— 26
210	Carcross	60 11	134 34	662	..	..	..	285·5	292·4	5th	274·7	267·4	21st	280·1	..	..	29	..
211																		
212	Fort Simpson	61 52	120 43	129	1000·7	1016·8	..	284·6	298·6	..	274·4	265·8	..	279·5	..	*279·9*	16	..
213																		
214	Hay River	60 51	115 20	161	994·9	1014·6	..	284·5	297·4	7th	275·6	266·4	24th	280·1	..	..	14	..
225																		
226	Jacobshavn	69 13	51 2	12·6	1004·2	1005·8	−1·3	277·6	287·3	15th	271·7	265·8	30th	274·7	−0·7	*274·6*	35	+ 1
229	Godthaab	64 11	51 44	9	1001·4	1002·5	−3·2	..	..	..	274·8	271·5	19th	..	..	*277·1*	182	+ 97
230	Angmagsalik	65 37	37 34	31·7	1005·4	1009·4	+4·0	280·2	..	..	271·5	265·9	24th	275·9	..	..	71	..
231																		
232	Stykkisholm	66 5	22 46	11·3	1003·5	1004·9	−1·4	281·3	285·5	16th	277·2	272·3	30th	279·3	−0·7	*279·5*	52	— 24
233	Vestmanno	63 26	20 15	7·7	1003·4	1004·3	−2·0	283·5	286·4	7th	277·9	272·6	29th	280·7	−0·5	*280·6*	103	— 43
234	Grimsey (Akureyri)	66 33	17 58	6·8	1004·4	1005·2	−2·3	280·4	287·6	3rd	273·8	261·8	21st	277·1	−1·3	*277·3*	10	— 32
235	Berufjord	64 40	14 19	18	1001·2	1003·4	−3·8	283·2	289·2	17th	277·1	271·0	30th	280·2	+0·5	*280·1*	154	+ 44
236	Thorshavn	62 3	W6 45	25·7	1004·3	1007·4	−1·6	284·5	287·3	11th	280·0	273·1	22nd	282·3	+0·2	..	131	— 4
237																		
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1006·3	1011·5	+0·3	..	289·3	11th	281·7	275·8	30th	..	−0·8	*283·7*	359	+129
239	Christiansund	63 7	7 45	17·8	1006·4	1007·6	−2·7	..	290·4	24th	281·8	277·8	30th	..	0·0	*283·8*	218	+ 85
240	Trondhjem	63 26	10 25	39·5	1004·3	1008·4	−2·1	..	291·5	2nd	280·3	274·4	29th	..	−0·1	*282·9*	109	+ 22
241	Bodö	67 17	14 24	39·5	1004·7	1006·9	−2·5	..	290·0	22nd	279·9	274·9	20th	..	+0·5	*282·5*	98	— 17
242	Haparanda	65 50	24 9	9·2	1009·0	1010·1	−0·3	283·5	288·0	1st	278·7	272·5	12th	281·1	+0·3	*281·3*	117	+ 62
242a	Helsingfors	60 10	24 57	11·7	..	1010·8	−1·9	..	289	..	..	276	..	284·1	+0·2	*284·0*	65	+ 5
	Kuopio	62 54	27 40	99·7	..	1011·8	−1·2	..	289	..	..	275	..	282·9	+0·6	*282·8*	72	..
243																		
244	Kola	68 53	33 1	6·7	1011·6	1012·4	+3·3	..	289·0	23rd	276·3	268·9	20th	280·2	+1·0	*280·1*	15	— 11
245	Petrozavodsk	61 47	34 23	38·9	1007·6	1012·2	−0·2	..	286·8	29th	..	..	..	281·9	−0·3	*281·8*	..	..
246	Arkhangelsk	64 33	40 32	6·7	..	1013·5	+2·5	..	289	..	..	272	..	280·5	−0·9	*280·3*	39	— 11
247	Velsk	61 5	42 7	? 87	1003·9	1014·6	..	..	288·0	24th, 25th	276·8	268·6	30th	280·2	..	*280·0*	45	..
248	Oust-Tsylma	65 27	52 10	? 25	..	1013·8	+2·8	..	287	..	..	265	..	279·5	+0·4	*279·3*	..	..
	Troitsko-Petcherskoe	62 42	56 13	? 123	999·8	1015·1	..	..	289·6	2nd	274·3	266·4	26th	278·1	..	*277·9*	64	..
249																		
250	Berezov	63 56	65 4	39·9	1009·5	1014·4	+3·3	..	286·6	12th	275·9	267·2	26th	279·1	+0·3	*278·9*	60	+ 21
251	Obdorsk	66 31	66 35	24·2	1011·9	1014·8	+5·2	..	289·0	2nd	274·9	266·9	25th	278·3	+0·3	*278·1*	27	— 16
252	Sourgout	61 15	73 24	40	1007·2	1012·1	+0·8	..	295·9	4th	276·4	266·8	28th	280·2	−0·6	*280·0*	72	+ 15
253																		
254	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Doudinka	69 7	87 0	? 20	1009·9	1012·4	..	..	285·0	1st	272·3	262·6	25th	275·4	..	*275·3*	42	..
261																		
262	Olekminsk	60 22	120 26	? 202	997·6	1022·6	−2·2	..	297·8	10th	272·5	265·6	19th	277·8	−2·1	*277·7*	21	..
263	Iakontsk	62 1	129 43	? 108	999·8	1013·3	−1·0	..	294·9	10th	271·5	262·7	22nd	275·7	−3·3	*275·6*	22	— 4
264	Verkholansk	67 33	133 24	? 100	994·8	1007·3	−1·9	..	288·0	11th	268·1	256·9	30th	272·7	−3·0	*272·6*	..	..
	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	294·8	10th	271·5	261·1	20th	276·4	..	*276·3*	12	..
271																		
272	Markovo sur Anadyr	64 45	170 50	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Novo-Mariinskii Post	64 45	177 33	? 3	..	..	..	..	..	..	..	..	..	..	..	..	73	..
		N.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

SEPTEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
307																		
308																		
309		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
310	Prince Rupert	54 18	130 18	52	1006·8	1012·9	..	289·7	299·7	..	282·2	276·3	..	286·0	..	..	108	..
311	Barkerville	53 2	121 35	1274	..	1015·6	..	283·9	290·8	2nd, 12th	275·0	265·2	24th	279·4	−1·0	*279·3*	92	−1
312	Kamloops	50 41	120 29	379	..	1014·0	−1·9	292·7	304·1	1st	280·1	270·7	25th	286·3	−1·1	*286·1*	22	−3
313	Calgary	51 2	114 2	1033	..	1014·7	+0·8	288·7	296·3	10th, 12th	275·4	266·9	24th	281·6	−1·6	*281·6*	23	−9
314	Fort Chipewyan	58 42	111 10	218	988·3	1014·8	..	285·2	293·6	6th, 14th	275·2	266·9	23rd	280·2	..	*280·7*	8	..
315	Prince Albert	53 10	106 0	436	963·0	1015·0	+3·8	288·4	295·9	2nd	275·4	268·6	25th	281·9	−0·6	*281·9*	45	+8
316	Qu'Appelle	50 30	103 47	645	938·0	1013·8	+0·3	288·4	299·4	13th	276·4	269·7	25th	282·4	−1·8	*282·0*	32	−12
317	Minnedosa	50 15	99 50	515	954·2	1015·3	..	288·7	297·2	..	275·9	266·3	..	282·3	−1·9	*281·5*	70	+32
318	Berens River	52 18	97 23	216	..	..	..	287·5	295·2	..	275·5	269·1	..	281·5	..	*280·8*	63	..
318a	Fort Churchill	58 51	94 11	9	1012·4	1013·5	..	273·0	284·7	..	..	..	..	..	..	..	..	..
319	Fort Hope	51 32	87 48	..	983·0	..	..	285·6	293·6	14th	274·9	266·3	28th	280·3	..	..	83	..
320	Moose Factory	51 16	80 56	9	1013·8	1014·8	..	287·7	295·2	18th	276·8	266·3	29th	282·3	..	..	82	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	1004·9	1005·4	−2·7	283·8	293·4	..	275·7	270·1	..	279·7	−0·6	..	18	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	289·1	19th	..	278·0	26th	283·7	..	..	62	..
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1017·5	1019·1	+3·5	289·4	296·3	8th	283·4	279·1	18th	286·4	+0·1	286·7	110	−4
335	Aberdeen	57 10	2 6	27·4	1011·7	1014·9	+1·9	288·9	295·8	6th	281·3	276·3	21st	285·1	+0·8	285·2	26	−43
336	Greenwich	51 28	W 0 0	48·5	1012·9	1018·7	+2·5	295·3	307·4	8th	281·8	276·3	22nd	288·6	+1·7	288·7	34	−21
337	Uccle	50 48	E 4 22	100	1006·4	1018·3	+1·9	295·8	306·2	2nd	283·1	277·1	17th	289·5	+1·6	289·1	76	+6
338	De Bilt	52 6	5 11	3·0	1017·6	1018·0	+3·2	294·7	304·2	9th	281·9	276·2	23rd	288·3	+1	287·5	34	−32
338a	Hamburg	53 33	9 59	26·0	1014·0	1017·2	+1·8	292·6	301·3	13th	284·4	278·6	30th	288·5	+1·2	288·0	54	−8
339	Copenhagen	55 41	12 36	5·0	1014·3	1014·9	+0·1	290·2	295·6	3rd	284·6	279·3	30th	287·4	+1·5	*287·4*	19	−36
340	Potsdam	52 23	13 4	84·9	1007·2	1017·3	+0·9	294·2	307·7	3rd	282·7	276·1	17th	288·5	+1·8	287·9	30	−24
340a	Upsala	59 51	17 38	24·0	1007·4	1010·3	+1·8	289·3	294·1	3rd	280·1	271·3	17th	284·7	+1·2	284·5	67	−18
341	Warsaw	52 15	21 1	127	1007·9	1017·1	+0·7	292·6	303·0	3rd	284·1	279·0	30th	288·4	+1·0	*287·6*	36	−14
342	Jurjev	58 23	26 43	74·5	1003·1	1012·2	−1·3	288·1	291·6	..	280·0	273·7	..	284·0	−0·3	284·0	47	−13
343	Petrograd	59 56	30 16	4·8	..	1011·6	−1·2	..	290	..	..	277	..	283·5	−0·2	*283·5*	59	+9
344	Kiev	50 27	30 30	182·9	..	1016·8	0·0	..	299	..	..	277	..	286·2	−0·7	*286·0*	17	−28
344a	Moscow	55 45	37 34	156	996·4	1015·4	+0·2	287·1	292·3	15th	279·2	272·2	30th	283·2	−2·0	282·9	74	+19
345	Saratov	51 32	46 3	59·9	..	1015·4	−0·4	..	304	..	..	274	..	286·0	−1·3	*285·8*	31	+1
346	Kazan	55 47	49 8	79·8	1005·4	1015·2	0·0	..	294·5	1st	..	268·2	30th	281·8	−2·2	*281·7*	37	−3
347	Orenburg	51 45	55 6	114·1	..	1015·2	−2·2	..	302	..	..	270	..	283·7	−2·5	*283·5*	47	+12
348	Perm	58 1	56 15	163·0	..	1013·2	+0·7	..	290	..	..	267	..	279·3	−2·7	*279·1*	47	−13
349	Ekaterinburg	56 50	60 38	288·9	..	1012·2	−2·4	..	291	..	..	270	..	279·3	−2·4	*279·2*	79	+44
350	Tobolsk	58 12	68 14	108·3	999·6	1012·9	..	..	297·8	3rd	277·4	268·7	30th	280·7	−1·4	*280·5*	47	+1
351	Akmolinsk	51 12	71 23	? 347	973·5	1015·0	−3·0	..	300·6	2nd	278·8	266·6	28th	283·1	−1·4	*282·9*	47	+18
352	Omsk	54 58	73 23	87·3	1002·0	1012·7	−3·6	..	298·0	4th	278·1	269·6	26th	282·1	−1·6	*281·9*	51	..
353	Barnaoul	53 20	83 47	157·7	996·3	1015·4	−2·1	..	299·3	4th	279·1	268·9	29th	283·5	+0·3	*283·3*	56	+32
354	Tomsk	56 30	84 58	121·6	999·5	1014·5	−1·7	..	295·1	5th	277·9	270·5	11th	282·1	−0·1	*281·9*	44	+10
355	Minousinsk	53 43	91 41	? 255	986·3	1017·0	..	..	297·2	4th, 6th	278·7	271·0	26th	283·3	..	*283·1*	66	+38
356	Eniseisk	58 27	92 11	84·4	1005·5	1015·9	−1·3	..	294·5	5th	274·8	265·5	28th	281·3	0·0	*281·1*	22	−21
357	Irkutsk	52 16	104 19	467·0	960·8	1017·5	−1·6	..	295·9	9th	275·2	269·4	30th	281·6	0·0	*281·5*	67	+27
358	Kirensk	57 47	108 7	? 263	985·1	1017·2	..	..	295·6	8th	273·8	268·0	15th	279·5	..	*279·4*	34	..
359	Tchita	52 2	113 30	673·8	935·8	1015·2	..	..	295·4	10th	275·6	269·0	27th	281·8	..	..	25	−66
360	Blagoveshchensk Priisk	58 10	114 17	? 490	958·0	1017·3	..	..	296·3	10th	271·6	264·1	15th	277·8	..	*277·7*	19	..
360a	Nertchinsk	51 59	116 35	484·3	956·2	1013·7	..	..	294·4	10th	275·7	266·0	29th	282·9	−2·1	*282·9*	52	..
361	Tygan Ourkan	54 5	124 46	? 370	970·4	1015·2	..	..	296·1	9th	270·6	261·9	30th	279·0	..	*278·9*	29	..
362	Blagoveshchensk	50 15	127 38	? 160	..	1017·4	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	298·8	1st	275·4	266·0	30th	282·4	..	*282·3*	79	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1008·6	1011·1	−0·8	..	297·8	2nd, 13th	277·3	268·6	30th	283·7	−0·2	*283·6*	69	+1
366	Okhotsk	59 21	143 17	6·0	1006·4	1007·1	−4·1	..	290·9	8th	273·2	264·0	30th	277·5	−3·9	..	37	−17
367																		
368	Petropavlovsk Phare	52 53 N.	158 47 E.	87·1	995·4	1006·1	−5·2	..	295·6	3rd	278·5	274·4	29th	281·7	−1·8	..	30	..
369																		
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

SEPTEMBER—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1016·2	0·0	289·9	295·6	2nd	282·2	276·2	26th	286·1	−0·6	285·6	57	+4
412	Portland, Oregon	45 32	122 41	46·6	1011·8	1017·3	+0·3	291·8	300·8	1st	283·5	279·1	24th	287·7	−1·2	*287·3*	132	+85
413	Macleod	49 44	113 24	954	..	..	..	288·7	300·2	1st	276·5	269·9	23rd	282·6	−2·1	*282·4*	80	+51
414	Helena	46 34	112 4	1253	874·0	1015·9	+1·0	290·0	303·0	1st	277·3	269·1	23rd	283·7	−2·8	*283·6*	57	+30
414a	Salt Lake City	40 46	111 54	1331	866·7	1012·5	−1·7	297·2	306·3	2nd	285·2	278·6	18th	291·2	−0·2	*291·4*	41	+20
415	Cheyenne	41 8	104 48	1856	815·1	1013·5	−1·0	296·3	304·1	12th	281·6	273·6	19th	288·9	+1·9	*288·8*	34	+11
416	North Platte	41 8	100 45	860	917·5	1015·2	+0·3	299·7	309·7	1st	284·8	276·3	19th	292·2	+1·9	*292·0*	35	−3
416a	Bismarck	46 47	100 38	510·2	956·4	1016·6	+2·7	293·1	304·1	1st	280·2	274·1	24th	286·6	−0·3	*286·5*	57	+27
417	Winnipeg	49 53	97 7	231·6	..	1016·6	+2·7	290·3	297·5	10th	278·3	271·4	28th	284·3	−0·8	*283·0*	62	+13
418	Duluth	46 47	92 6	345·3	975·6	1017·3	+2·0	289·0	298·0	15th	280·5	274·7	30th	284·8	−1·9	*284·7*	85	−5
419	Port Arthur	48 27	89 12	196·3	..	1017·2	+2·0	288·4	296·9	15th	278·0	268·6	28th	283·2	−1·3	*283·1*	74	−8
420	Chicago	41 53	87 37	250·9	988·0	1017·9	+0·7	295·7	303·0	2nd	289·2	283·6	30th	292·4	+1·3	*292·3*	102	+26
421	Toronto	43 40	79 24	106·7	..	1017·8	+0·2	294·1	303·7	1st	283·6	274·2	14th	288·8	−0·2	288·3	65	−7
422	New York	40 43	74 0	96	1006·5	1017·6	−1·0	296·1	301·3	6th	288·3	281·9	14th	292·2	+0·3	292·8	38	−53
423	St. John, N.B.	45 17	66 4	21·3	..	1017·6	+0·7	288·5	294·4	3rd	282·3	274·9	29th	285·4	−1·3	*285·1*	135	+43
424	S. W. Point, Anticosti	49 24	63 35	9	1012·8	1013·9	0·0	284·4	290·2	..	278·7	271·3	..	281·6	..	..	48	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1015·4	1016·3	..	291·0	294·7	..	285·9	281·3	..	288·5	..	..	146	+59
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1013·4	−2·2	289·3	296·3	20th	281·9	275·2	30th	285·6	+0·6	..	290	+203
435	Madrid	40 24	3 41	655·4	944·8	1019·2	+2·4	303·2	312·3	1st	286·7	281·4	30th	295·0	+1·8	294·2	28	−5
436	Nantes	47 15	W 1 34	41·4	1014·1	1019·0	+1·1	299·1	309·3	8th	286·1	279·9	19th	292·6	+2·7	*292·1*	48	+1
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1013·0	1018·9	+1·7	298·0	308·8	9th	283·1	276·2	23rd	290·5	+2·4	290·1	27	−23
438	Marseilles	43 18	5 23	75·0	1007·9	1016·8	+0·6	299·6	304·7	7th	288·1	283·5	24th	293·9	+1·5	*293·4*	18	−33
438a	Zürich	47 23	8 33	493·2	962·0	1019·5	+1·5	..	304·8	3rd	..	280·2	23rd	289·2	+2·0	289·4	100	−10
439	Rome	41 54	12 29	63·4	..	1016·2	−0·5	300·1	305	sev. dates	290·2	286	25th, 30th	295·2	+1·2	*295·0*	242	+171
440	Vienna	48 15	16 22	202·5	993·7	1017·7	+0·1	293·1	301·4	9th	284·4	280·5	12th	288·8	+0·9	288·6	53	+9
440a	Buda-Pesth	47 30	19 2	129·6	1002·2	1017·7	+0·2	296·2	304·6	9th	283·9	278·7	12th	290·1	+0·9	*289·9*	51	−2
441	Bucharest	45 25	26 6	82	1007·5	1017·3	+0·1	297·2	304·5	4th, 16th	284·7	278·7	29th	291·0	+0·1	..	71	+40
442																		
443	Odessa (University)	46 29	30 46	65·3	1009·5	1017·3	−0·2	293·1	301·6	4th	285·1	279·4	12th	289·1	−1·4	*288·8*	24	−10
444	Kharkov (University)	50 0	36 14	140	..	1017·6	+0·2	..	298	..	..	273	..	286·0	−1·5	*285·8*	14	−21
444a	Novorossiisk	44 40	37 49	37	..	1014·8	−2·4	..	303	..	..	280	..	291·5	−0·9	*291·3*	39	−11
445	Tiflis	41 43	44 48	409	..	1016·0	+0·4	..	305	..	..	280	..	291·1	−1·4	*291·0*	46	−4
446	Astrakhan	46 21	48 2	−14	..	1016·0	−1·0	..	302	..	..	275	..	288·7	−2·1	*288·5*	41	+26
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1014·4	−2·0	..	306	..	..	288	..	295·2	−1·4	*295·1*	52	−3
449	Tachkent	41 20	69 18	478·3	959·1	1014·2	−0·6	..	306·0	8th	284·2	274·6	27th	291·7	−1·0	*291·5*	7	+2
450	Irgiz	48 37	61 16	112	1000·0	1013·5	..	..	304·3	1st	..	..	..	286·1	−2·5	*285·9*	5	−10
451	Naryuskoe	41 26	76 2	?2015	..	..	..	..	290·5	1st	277·0	272·0	30th	282·9	−2·7	*282·7*	1	−12
452	Vernyi	43 16	76 53	? 835	919·9	1015·3	+1·5	..	304·1	4th	..	..	..	289·1	+0·4	*288·9*	40	+15
461	Mukden	41 48	123 23	43·8	1008·4	1013·6	−0·4	297·7	304·3	2nd	286·0	278·3	30th	291·9	+1·9	..	87	+13
462	Joshin	40 40	129 11	4·0	1013·1	1013·6	−0·3	296·2	300·8	2nd	287·9	282·0	30th	292·1	+1·5	..	271	+209
463	Vladivostok	43 7	131 54	15·7	1012·2	1014·0	−0·8	..	299·7	3rd	286·6	278·0	16th	290·3	+0·6	*290·2*	177	+107
465	Ochiai			15·0	1012·2	1014·0	..	292·3	301·3	3rd	279·6	271·5	16th	286·0	..	285·9	88	..
466	Nemuro	43 20 N.	145 35 E.	26·7	1011·3	1014·6	+0·6	292·2	299·4	6th	284·0	280·0	28th	288·1	−0·2	287·9	93	−42

Between Latitude 40° N. and 30° N.

SEPTEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
511	San Francisco	37 48	122 26	47·2	1009·7	1015·6	+1·7	292·3	300·8	18th	284·8	282·4	20th	288·6	+0·4	*287·9*	0	−7
512	San Luis Obispo	35 18	120 39	61·3	1007·9	1015·2	+1·7	295·9	303·0	13th	283·0	279·1	28th	289·4	+0·1	*288·8*	1	−2
513	Modena	37 48	113 54	1670	833·9	1012·5	−0·7	297·4	304·7	1st	279·7	274·1	19th	288·6	−0·1	*288·5*	45	+16
514	San Diego	32 43	117 10	26·5	1010·0	1013·2	+1·0	295·4	297·4	21st	288·6	285·2	9th	292·0	−0·4	*291·8*	3	+1
515	Santa Fé	35 41	105 57	2138	791·3	1013·5	0·0	296·5	299·7	1st	283·7	279·1	21st	290·1	+1·2	*290·0*	30	−12
516	Denver	39 45	105 0	1613	838·7	1013·9	−0·7	300·1	307·4	12th	283·9	278·0	18th	292·0	+1·9	*291·8*	19	−3
517	Abilene	32 23	99 40	529·7	954·8	1014·5	0·0	305·8	308·0	17th	294·7	289·1	19th	300·2	+3·8	*300·0*	35	−45
518	Saint Louis	38 38	90 12	172·8	996·0	1016·2	−1·0	301·2	308·0	14th	291·7	286·3	22nd	296·4	+2·3	*296·2*	180	+106
519	Mobile	30 41	88 2	17·4	1015·3	1017·3	+1·4	305·1	308·6	13th	296·5	294·1	20th	300·8	+3·1	*300·4*	104	−24
520	Nashville	36 10	86 47	166·4	998·6	1017·9	0·0	304·0	306·9	14th	292·7	288·0	23rd	298·3	+3·4	*298·1*	48	−45
521	Charleston	32 47	79 56	14·6	1016·6	1018·3	+1·0	303·3	308·0	11th	296·3	293·6	19th	299·8	+2·2	*299·5*	133	−6
522	Washington	38 54	77 3	34·1	1014·1	1018·3	−0·3	299·4	304·7	7th	289·2	280·8	14th	294·3	+1·3	*294·1*	52	−40
524	Bermuda	32 17	64 46	46·0	..	1018·5	+1·1	301·3	303·4	10th	295·0	291·6	28th	298·1	−0·3	..	75	−58
531	Horta	38 32	28 38	30	..	1021·4	+0·6	295·3	297	sev. dates	291·1	288	12th, 17th	293·2	−1·0	..	96	+34
532	Ponta Delgada	37 44	25 40	17	..	1019·6	−0·9	294·9	296	sev. dates	290·6	288	12th	292·8	−1·2	..	78	−12
533	Madeira (Funchal)	32 37	16 54	25	1017·0	1019·9	+1·2	298·5	301·4	30th	289·4	287·2	17th	293·9	+0·4	..	28	+9
534	Lisbon	38 43	9 9	95·4	1008·3	1019·4	+2·2	300·3	309·2	2nd	291·9	287·8	22nd	296·1	+2·7	*295·7*	20	−17
535	Casablanca	33 37	7 35	17	1015·6	1017·6	..	298·5	303·2	..	293·0	290·1	..	295·8	+1·1	*295·0*	0	−14
536	Gibraltar	36 6	5 21	16	1014·5	1016·3	+0·5	300·7	306·3	18th	291·4	287·4	21st	295·6	−0·1	*295·5*	6	−28
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

SEPTEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1013·1	1017·6	+1·7	302·6	308·6	8th, 17th	294·6	290·9	23rd	298·6	+0·9	*297·7*	13	— 11
538	Palma	39 33	2 42	23	..	1019·4	+1·6	302·1	307	13th	293·5	291	sev. dates	297·8	+2·4	..	10	— 32
538*a*	Tunis	36 48	10 10	43	1014·9	1019·9	+3·0	304·2	315·0	16th	293·2	288·8	20th	298·7	+1·3	..	14	— 21
539	Malta	35 54	14 31	59	..	1018·6	+0·7	300·3	305	17th	294·6	289	26th	297·4	+0·1	..	49	+ 34
540	Catania	37 30	15 3	64·9	1009·2	1016·8	+0·4	301·2	311·2	17th	291·3	289·0	27th	296·3	−0·2	..	15	+ 15
541	Athens	37 58	23 43	107·1	..	1014·8	−0·5	300·5	306	1st, 5th	292·4	288	30th	296·4	−0·5	*295·9*	30	+ 30
542	Alexandria	31 9	29 54	32·0	..	1014·4	+0·5	302·4	304	28th	295·6	293	12th	299·0	+0·1	*298·4*	0	— 1
543	Cairo (Helwan)	29 52	31 20	115·6	..	1013·2	−0·1	304·5	308	26th	292·7	291	25th	298·6	−0·2	298·5	0	— 1
544	Nicosia	35 12	33 24	152	..	1011·5	−0·3	306·1	309	2nd, 25th	288·5	285	25th, 27th	297·3	−1·3	..	4	— 1
544*a*	Beirut	33 54	35 28	52·4	..	1011·9	+0·3	302·5	305	5th	295·0	293	17th	298·8	−0·3	..	7	+ 0
545	Baghdad	33 21	44 28	38·7	1002·9	1007·3	−0·9	311·2	316·4	1st	294·7	290·6	11th	302·9	−0·6	..	0	— 61
546	Lenkoran	38 46	48 52	−19	1017·4	1015·2	−1·4	..	301·0	2nd	288·8	286·0	26th	292·8	−2·0	*292·7*	147	— 5
547	Busrah	30 31	47 53	7·6	1004·2	1005·3	−1·7	309·1	313·7	2nd	296·8	292·5	20th	302·9	−0·9	..	0	0
548	Meshed	36 16	59 35	946	906·6	1012·7	..	301·2	309·6	9th	282·8	278·4	29th	291·9	+0·6	..	0	0
549	Quetta	30 11	67 3	1677	831·5	..	−0·3	304·5	307·5	11th	284·5	280·3	20, 21, 27	294·5	+1·8	*294·3*	0	— 2
550																		
551	Lahore	31 34	74 20	214	980·8	1004·6	−0·2	310·2	312·9	8th	298·4	294·8	22nd	304·3	+1·4	*303·7*	8	— 55
551*a*	Simla	31 7	77 8	2204·3	780·8	..	+0·1	291·2	293·9	24th	286·7	282·9	22nd	288·9	−0·3	*288·7*	290	+145
552	Leh	34 10	77 42	3506	667·3	..	+0·2	295·1	299·9	10th	279·4	275·5	25th	287·3	+1·0	*286·1*	1	+163
552*a*	Dehra Dun	30 20	78 0	681	931·0	1005·5	−0·1	301·3	304·1	24th, 25th	294·0	290·8	22nd	297·7	−0·4	*297·1*	403	
559	Hang Kow	30 35	114 17	37·0	1007·0	1011·2	−2·0	302·5	307·9	24th	294·9	289·6	17th	298·7	+1·1	..	66	+ 22
560	Tiensin	39 10	117 10	5·0	1013·6	1014·2	−0·9	298·8	305·0	1st	290·9	286·8	30th	294·9	+0·7	..	134	+ 77
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1009·8	1010·6	−1·7	302·8	306·4	27th	293·9	290·1	23rd	298·4	+2·1	297·3	123	+ 4
562	Chemulpo	37 29	126 32	67·6	1005·1	1013·1	+0·6	297·9	302·7	1st	290·9	287·2	16th	294·4	+0·0	294·1	150	+ 13
562*a*	Nagasaki	32 44	129 52	133·0	997·9	1013·2	+1·8	301·3	305·4	1st	294·4	290·7	23rd	297·8	+0·8	297·4	458	+277
563	Kioto	35 1	135 46	49·4	1009·0	1014·7	+2·3	302·5	307·1	6th	291·9	287·0	24th	297·2	+1·4	296·4	245	+ 59
564	Tokio	35 41	139 45	21·3	1012·6	1015·1	+2·1	299·7	304·6	8th	292·3	288·0	24th	296·0	+0·6	295·6	174	+ 30
565	Miyako	39 38	141 59	30·4	1011·1	1014·6	+1·0	297·6	305·3	7th	288·1	282·1	29th	292·9	+0·7	292·2	38	— 187
566																		
		N.	E.															

SEPTEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1013·8	1015·1	+0·1	300·6	302·4	..	295·2	293·6	..	297·9	−0·7	..	56	+ 17
606																		
615	Zacatecas	22 47	102 35	2610	748·6	..	..	291·9	294·0	6, 17, 19	281·3	279·8	9th	286·6	..	..	6	..
616	Leon	21 7	101 41	1798·6	823·6	..	+0·3	299·2	301·2	10th	286·5	284·5	15th	292·9	+0·8	..	38	— 78
617	Galveston	29 18	94 50	16·5	1014·5	1016·6	+1·4	303·9	305·2	19th	299·4	295·2	24th	301·7	+2·3	*301·6*	89	— 49
618	New Orleans	29 58	90 4	15·5	1015·3	1016·9	+1·7	304·9	307·4	13th	297·2	295·2	5th	301·1	+2·6	*300·7*	138	+ 16
619	Havana	23 8	82 22	24·3	..	1015·7	+2·6	..	304·7	8th	..	295·0	3rd	300·6	+0·3	*300·6*	10	—145
620	Key West	24 33	81 48	6·7	1015·0	1015·6	+1·7	304·2	305·2	13th	297·9	295·2	10th	301·1	0·0	*301·3*	52	—120
621	Nassau, Bahamas	25 5	77 21	7·6	1013·4	1014·3	−0·7	303·2	304·7	12th, 21st	297·5	294·7	24th	300·3	−0·1	..	133	— 74
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	298·1	300·5	..	291·7	289·1	..	294·9	−0·4	..	4	— 3
634	Las Palmas, Canary Islands	28 7	W15 26	7	1016·9	1017·7	−2·2	301·1	303·8	18th, 19th	294·1	292·2	16th	297·6	+1·0	..	0	— 7
637	Insalah	27 17	E 2 27	330	979·7	1016·6	+1·1	313·5	318·0	12th	297·3	293·0	21, 22, 23	305·4	−0·5	*305·6*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1015·4	+0·9	309·8	314	1st	292·8	288	20th	301·3	−0·8	*301·3*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1011·4	+0·5	310·6	315	1st	295·3	291	12th	303·0	−0·6	*303·1*	..	..
643	Suez	29 57	32 32	3·4	..	1013·2	+1·7	307·0	309	26th	294·2	292	17th	300·6	+0·6	..	0	0
644	Aswan	24 2	32 53	99·6	..	1011·1	+1·3	311·0	314	27th	296·3	294	24th	303·6	−0·6	*305·0*	..	..
647	Bushire	28 59	50 53	4	1004·7	1005·3	−0·6	305·6	309·6	3rd	298·3	294·9	28th	301·9	−1·4	..	0	0
648	Jask	25 44	57 47	4	1005·1	1005·5	−0·7	305·3	309·6	30th	299·9	297·9	26th	302·6	−1·1	..	0	0
649	Kurrachee	24 53	66 57	4	1006·1	1006·5	−0·2	302·6	304·1	16th	298·0	295·2	30th	300·3	+0·4	*299·8*	3	— 12
650	Hyderabad, Sind	25 24	68 18	29	1001·5	1004·7	−0·4	309·7	316·3	28th	298·0	295·8	28th, 30th	303·9	+0·4	..	1	— 17
651	Jaipur	26 56	75 52	436	957·2	1005·3	−1·2	305·7	309·8	25th	296·6	294·2	28th	301·2	−0·7	*300·4*	104	— 73
652	Nagpur	21 8	79 5	310	971·1	1005·7	−0·5	304·1	307·8	18th	296·2	294·8	26th	300·1	−0·4	*299·4*	145	+225
653	Allahabad	25 25	81 51	91	993·7	1004·2	−1·0	304·4	307·2	29th, 30th	297·8	296·3	4 dates	301·1	−0·9	*300·4*	360	— 77
654	Calcutta	22 36	88 23	6	1004·6	1005·3	−0·5	304·7	306·6	23rd	298·8	297·4	5, 15, 16	301·7	+0·5	*301·5*	186	
655	Gauhati	26 8	91 41	59	1000·7	1007·4	..	304·3	307·3	23rd	297·7	296·4	18th	301·0	..	..	287	+131
655*a*	Cherrapunji	25 15	91 42	1313	867·1	..	..	296·0	300·3	22nd, 23rd	291·0	289·2	29th	293·5	..	..	1247	+357
656	Shillong	25 33	91 48	1500	848·2	..	..	296·5	299·6	23rd	289·4	287·8	18th, 30th	292·9	..	..	279	0
656*a*	Akyab	20 11	92 56	6	1006·8	1007·5	−0·2	303·6	307·4	22nd	298·1	296·9	5, 6, 29	300·8	−0·1	*300·7*	454	— 97
657	Phu Lien	20 48	106 37	115·6	994·1	1007·3	−0·3	306·5	310·2	3rd	297·7	295·1	19th	302·1	+1·5	301·2	116	—168
658	Moncay	21 31	107 51	10	1006·1	1007·2	−0·3	306·8	310·8	2nd	296·8	294·2	7th	301·8	+1·3	*301·1*	118	—242
659																		
660	Hong Kong	22 18	114 10	33·2	1003·0	1006·7	−1·8	303·1	306·4	17th	298·2	296·9	3rd	300·7	+0·4	300·3	158	— 87
661	Taihoku, Formosa	25 2	121 31	9·3	1006·6	1007·6	−1·9	304·4	306·3	25th	296·3	293·3	21st	300·4	+0·6	299·8	225	— 9
662	Naha	26 13	127 41	10·5	1009·5	1010·7	+1·7	303·5	305·4	11th	297·0	294·2	23rd	300·3	+0·4	299·9	132	— 60
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

SEPTEMBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	..	..	..	..	..	..	..	*290·6*	..	..
716	Morelia	19 14	100 7	1933	..	..	..	..	297·2	..	..	283·5	..	..	..	..	124	..
717	Salina Cruz	16 12	95 16	56·3	1005·3	1011·8	..	..	307·0	..	..	294·8	..	301·8	..	..	108	..
718	Mexico	19 26	99 8	2280	781·1	..	+1·2	295·5	299·7	4th	284·6	283·2	22nd	290·1	+0·1	289·3	130	+ 30
718*a*	Oaxaca	..	..	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
719	Belize	17 4	96 44	2·1	1015·0	1015·2	+3·8	304·1	306·9	18th	298·1	295·8	25th	301·1	−1·0	*299·8*	352	+114
720	San Salvador	17 29	88 12	657	937·7	1010·9	+0·3	304·4	306·7	16th	291·9	290·0	13th	298·2	−1·7	..	197	— 95
721	Jamaica (Negril Point)	13 44	89 9	10·1	..	1012·6	+0·8	304·6	306·0	11th	295·7	294·4	3rd	300·2	+0·3	*299·6*	207	+ 16
722	Port au Prince	18 34	72 22	37·4	1009·4	1013·7	+3·0	306·9	309·0	..	295·5	293·1	..	301·2	+0·3	300·3	98	— 90
723	St. Croix (Christiansted)	17 45	64 42	6·6	1011·2	1012·1	..	303·7	305·6	..	298·6	297·3	..	301·2	..	..	86	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	994·5	1012·4	+0·5	302·6	305·2	11th	297·3	295·2	25th	300·0	+0·3	*299·4*	200	— 4
725	Barbados	13 8	59 36	55·2	..	1010·6	−0·2	302·4	304·1	..	297·9	293·9	..	300·2	+0·3	*300·1*	194	+ 21
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1014·6	1015·8	+2·8	301·1	302·6	6th	297·1	294·5	8th	299·1	−0·5	..	23	— 56
732	San Tiago, C. Verde Is.	14 54	23 31	34	1013·5	1017·4	..	302·8	304·5	29th	298·1	296·5	8th, 17th	300·5	+0·8	..	90	— 9
733	Bathurst	13 34	16 36	1·5	1012·9	1013·1	+0·3	302·9	305·8	27th	296·7	294·1	5th, 29th	299·8	0·0	*300·2*	194	— 59
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	306·3	308·0	4, 12, 30	292·8	288·6	22nd, 23rd	299·6	−0·3	..	239	+ 38
735	Ségou	..	..	..	..	..	..	..	..	..	295·3	292·0	26th	..	..	..	53	..
736	Timbouctoo	16 43	W 2 52	? 272	981·0	1008·7	−0·8	314·2	318·5	..	297·1	294·0	..	305·7	−0·1	*304·7*	6	..
737	Sokoto	13 2	E 5 14	354	..	..	..	303·8	305·8	6th	295·3	292·4	22nd	299·6	−0·5	..	174	+ 82
738	Kontagora	10 24	5 24	400	..	..	..	303·8	306·3	1, 26, 27	293·6	290·2	15th	298·7	+0·4	..	420	+ 90
739	Maiduguri	11 48	13 12	370	..	..	..	306·3	309·1	26th, 30th	295·4	292·4	23rd	300·8	−0·2	..	65	— 45
740	Katagum	12 17	10 22	329	..	..	..	307·2	311·9	29th	295·6	293·6	15th	301·4	+0·6	..	71	— 2
743	El Obeid	13 11	30 14	585	..	1012·7	+0·5	307·4	312·1	21st, 28th	293·7	290·3	7th	300·6	−0·2	*300·7*	91	— 3
744	Khartoum	15 37	32 33	390	..	1009·8	+0·9	312·7	316·0	21st	298·5	295·5	10th, 14th	305·6	+0·6	*305·7*	2	— 14
746	Aden	12 45	45 3	28·7	1004·6	1007·8	−0·1	307·0	308·6	8th	301·0	299·6	5th, 28th	304·0	−0·1	*303·6*	0	— 4
751	Bombay	18 54	72 49	11·3	1008·4	1009·8	+0·3	302·9	303·8	29th, 30th	298·3	297·2	22nd	300·6	+0·6	*300·0*	75	—200
752	Mysore	12 18	76 40	768	926·5	1010·6	+0·2	302·6	304·1	8th, 29th	297·4	295·9	26th	297·2	+0·1	297·3	40	— 77
752*a*	Kodaikanal	10 13	77 28	2343	770·5	..	−0·3	290·8	293·3	8th	284·2	283·3	12th, 25th	287·5	+0·2	286·8	73	— 92
753	Madras	13 4	80 14	6·7	1007·3	1008·1	−0·3	307·8	310·8	4th	298·4	294·4	16th	303·1	+0·7	302·1	194	+ 63
754	Waltair	17 45	83 16	68·9	997·6	1005·4	−0·6	304·3	306·1	2nd, 16th	298·6	296·6	5th	301·4	..	*300·8*	91	— 91
755	Port Blair	11 40	92 40	17·7	1006·7	1008·6	−0·8	301·9	303·7	3rd, 25th	297·4	296·1	8th	299·7	−0·4	*299·1*	465	— 7
756	Rangoon	16 46	95 48	5·5	1008·1	1008·8	−0·4	303·1	305·6	16th	297·7	296·0	26th	300·4	+0·3	*299·5*	397	0
757	Saigon	10 46	106 42	11·2	1006·8	1008·1	+0·3	305·9	307·7	3rd	295·9	294·9	25th	300·9	+0·1	..	302	— 26
758	Nhatrang	12 16	109 12	6·8	1006·2	1007·0	+0·4	306·4	310·5	4th	297·4	295·9	26th	301·9	+0·6	..	129	— 58
759	Bolinao	16 24	119 53	7·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
760	Vigan	17 34	120 23	14·7	..	1005·1	−1·7	303·6	305·8	11th	295·8	294·4	15th	299·7	0·0	299·9	690	+111
761	Manila	14 35	120 59	14·2	..	1006·9	−0·7	304·6	306·4	13th	296·6	294·8	10th	300·6	0·0	299·9	193	— 169
762	Ormoc	11 0	124 36	5·6	..	1007·9	−0·1	303·5	305·3	2nd	296·4	294·4	9th	300·0	+0·5	299·5	115	— 194
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·5	303·6	5, 26, 28	297·1	295·6	21st	299·8	..	..	444	..
		N.	E.															

SEPTEMBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	1010·6	1011·0	−0·9	303·1	305·5	15th	298·3	295·8	9th	300·7	+0·3	*299·7*	277	+184
819	Culebra	9 10	79 40	123·1	..	1009·7	−0·3	303·6	305·8	27th	295·8	294·1	22nd	299·7	+0·4	..	152	—130
822																		
823	El Peru, Guayanavieja	7 30	62 0	? 300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1011·9	1012·1	+0·1	303·9	305·2	24, 25, 27	296·9	294·9	1st	300·4	+0·5	..	14	— 68
826	Paramaribo	5 49	55 9	4	1012·3	1012·8	..	305·3	307·0	17th	296·2	294·2	20th	300·9	..	300·4	52	— 20
826*a*	Cayenne	4 56	52 21	6	..	..	..	305·4	306·6	25th	296·0	294·6	14th	300·7	−0·6	..	2	— 21
833	Conakry	9 31	13 43	16	1011·2	1013·0	+0·5	302·7	307·4	..	295·6	294·0	..	299·2	+0·5	..	679	— 69
834	Sierra Leone	8 30	13 9	68·3	1004·1	1012·0	−0·2	302·5	305·6	26th	295·1	292·7	27th	298·8	−0·4	..	839	+ 91
835	Cape Coast Castle	5 5	1 13	..	..	..	..	299·9	308·0	29th	292·2	286·9	18th	296·1	−1·9	..	4	— 23
836	Accra	5 35	W 0 6	18	..	..	..	300·7	301·9	6, 7, 21	293·9	291·3	1st, 30th	297·3	−0·5	..	7	— 17
837	Lagos	6 22	E 3 28	7·6	1012·6	1013·5	+1·1	302·2	304·7	..	296·1	294·7	..	299·2	+0·6	..	75	— 59
838	Zungeru	9 48	6 10	130	997·6	1012·5	+1·4	303·9	306·3	1st, 20th	294·2	283·0	5, 25, 30	299·1	+0·2	..	346	+ 88
838*a*	Libreville	0 23	9 26	35	..	..	..	302·5	302·9	7, 22, 29	294·5	293·5	15th	298·5	−0·1	..	10	— 94
839	Yola	9 12	12 30	259	..	..	..	303·6	306·3	26th	294·7	293·6	4, 14, 30	299·1	+0·3	..	177	— 26
841	Kafia Kingi	9 22	24 18	596	946·8	1012·9	..	..	..	..	..	..	..	296·2	..	..	140	..
842	Wau	7 42	28 3	440	..	1011·8	..	305·7	309	20, 21, 22	292·5	291	1st	299·1	..	..	88	— 37
843	Entebbe	0 5	32 29	1177	883·6	..	+0·4	298·8	300·7	23rd	289·6	288·1	30th	294·2	+0·1	*293·4*	49	— 23
845	Nandi	0 2	35 5	2010	..	..	..	297·2	299·1	23rd	281·1	279·7	25th	289·2	−1·0	..	95	— 54
851	Cothin	10 0	76 21	2·7	1011·0	1011·4	−0·1	303·2	305·1	16th	296·9	295·9	21, 25, 26	300·1	+0·6	*299·5*	73	—148
852	Colombo Observatory	6 54	79 53	7·3	1009·0	1009·8	+0·3	304·0	305·6	2nd	297·7	295·8	8th	300·8	+0·1	*300·2*	123	— 14
853	Candy	7 18	80 40	504·5	..	..	..	300·4	302·9	30th	293·5	291·3	27th	297·0	+0·1	..	188	+ 40
855	Medan	3 35	98 41	23·5	..	1009·1	−1·3	304·6	306·6	3rd	294·3	293·0	6th	299·5	..	..	266	+ 42
856																		
857	Penang	5 34	100 20	5·0	1007·7	1008·3	−1·7	303·7	305·2	2nd	296·6	294·7	5th	300·2	+0·1	..	283	—139
858	Singapore	1 17	103 51	3·0	1009·1	1009·4	0·0	304·3	305·8	8th	296·7	294·7	1st	300·5	+0·6	..	142	— 16
860	Sandakan	5 49	118 12	..	..	..	..	304·1	305·2	21, 23, 25	296·2	295·8	1, 12, 19	300·2	−0·3	..	518	+289
861	Tagbilaran	9 38	123 51	21·8	..	1007·9	−0·1	..	..	..	..	..	..	..	..	..	178	+ 3
862	Surigao	9 48	125 29	6	..	..	..	304·7	306·9	1st, 28th	297·0	295·6	30th	300·9	..	..	221	+ 49
863	Yap	9 29	138 8	31·9	..	..	..	303·8	305·6	27th	297·2	296·0	21st	300·5	..	..	261	..
869	Uyelang	9 42	161 2	< 10	1007·9	1009·0	−1·6	..	..	..	..	..	..	..	..	..	383	+ 89
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

SEPTEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1010·1	1011·0	+0·9	306·1	306·9	6, 9, 18	297·2	296·3	29th, 30th	301·7	+0·4	..	7	— 14
906																		
923	Manaos	3 8	59 59	32·4	1003·3	1006·9	−0·9	..	..	..	..	..	..	302·3	−0·3	..	7	— 35
930	Fernando Noronha	3 51	W32 25	95	..	1014·0	+2·0	299·8	300·8	..	296·3	295·0	..	298·1	..	..	6	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	....	..	..	..	..
940	Loango	4 38	11 50	? 50	..	..	..	298·4	299·8	30th	292·7	291·8	1st, 2nd	295·6	..	..	4	..
943	Daressalam	6 49	39 18	7·6	1016·2	1017·0	0·0	300·1	301·8	4, 8, 13	291·8	290·4	2nd	296·0	−0·8	296·1	5	— 27
944	Nairobi	1 18	36 59	1660	..	..	..	296·4	298·6	6th	281·9	276·3	23rd	289·2	−1·0	..	53	+ 32
944*a*	Zanzibar	6 10	39 11	21·9	1016·8	1019·3	+1·3	300·2	301·7	29th	295·3	294·4	14th	297·8	−0·6	*296·8*	30	— 24
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	302·4	310·8	4th	295·6	293·0	2nd	299·0	..	..	29	— 5
947	Seychelles	4 37	55 27	4·6	1013·0	1013·5	+0·4	300·4	301·5	..	297·8	296·6	..	299·1	0·0	..	177	+ 12
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·8	−0·5	..	..	..	..	..	..	..	..	..	501	+ 88
957	Batavia	6 11	106 50	8	..	1010·7	0·0	304·4	306·7	18th	296·1	294·8	18th	300·2	+0·5	299·9	17	— 55
958	Pontianak	0 1	109 20	2·6	..	1010·5	+0·8	..	..	..	..	..	..	..	..	..	202	— 6
959	Passeroean	7 38	112 55	5·0	..	1011·1	−0·1	303·9	304·5	..	294·3	292·5	..	299·1	..	..	2	— 7
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	0	— 15
961	Koepang	10 10	123 34	3·3	..	1011·6	+0·2	..	..	..	..	..	..	..	..	..	0	— 2
962	Ambon	3 42	128 10	4·2	..	1011·3	+0·3	..	..	..	..	..	..	..	..	..	70	—140
965	Daru	9 4	143 13	8	1013·0	1013·9	+1·4	301·6	..	..	295·3	..	..	298·4	−0·3	..	14	— 38
966	Port Moresby	9 29	147 9	39	1008·6	1013·1	+0·8	300·1	..	..	295·4	..	..	297·8	−1·3	..	46	+ 5
967	Rakuranga	4 13	152 8	*ca.*120	..	..	..	..	..	..	..	..	..	..	..	..	178	..
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	469	+128
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·6	1007·8	−1·7	302·7	305·2	17th	297·2	296·3	2nd	299·9	+0·1	..	344	+147
970	Ocean Island	0 52	169 36	48·5	1005·5	1007·8	−0·9	303·1	305·1	24th	297·1	296·1	16, 18, 19	300·1	−0·7	..	86	— 68

SEPTEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1012·2	1016·4	−1·0	300·8	304·1	19th, 21st	290·6	286·9	17th	295·7	−0·7	..	104	— 22
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	1007·2	1012·6	−0·8	302·9	304·2	..	295·8	294·0	..	299·4	..	..	17	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	291·9	295·0	sev. dates	285·1	284·0	sev. dates	288·5	−1·3	*288·9*	0	..
1022	Arequipa	16 22	71 33	2451	760·9	..	−0·2	293·4	295·2	10th	283·1	279·1	22nd	288·2	+0·8	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	291	+1	..	10	— 11
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	299·6	+0·2	..	29	— 8
1026	Cuyaba	15 36	56 0	235	991·0	1017·8	−0·2	303·6	307·4	..	296·3	291·0	..	300·0	−0·5	..	92	+ 25
1035	St. Helena	15 57	W 5 40	632	949·2	1023·0	+2·1	290·3	293·8	4th	284·5	283·5	7th, 15th	287·4	+0·3	*287·1*	27	— 44
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	862·3	..	+0·7	298·9	307·2	..	281·0	272·4	..	289·9	−1·9	..	0	— 3
1043	Salisbury, Rhodesia	17 49	31 3	1487	..	..	..	298·6	304·1	..	281·7	275·2	..	290·2	−1·6	..	0	— 5
1044	Zomba	15 23	35 18	899	910·1	1010·9	+2·5	299·1	303·6	28th	286·3	281·9	1st	292·7	−0·8	*291·5*	5	+ 59
1045	Tamatave	18 9	49 26	4	1021·3	1021·7	+1·7	..	..	..	292·9	290·1	..	295·0	−0·5	..	247	+ 12
1046	Tananarivo	18 55	47 32	1400	868·9	..	+1·5	296·4	302·7	26th	282·9	278·7	16th	289·7	−0·3	288·7	4	..
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1013·7	−0·5	300·8	302·4	29th	296·9	295·5	19th, 24th	298·9	−0·4	..	265	+152
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1010·0	1010·6	+0·1	303·6	305·1	..	295·7	292·7	..	299·7	+0·1	..	140	+ 34
1058																		
1061	Derby	17 18	123 40	16·2	..	1013·5	+0·8	305·7	309·9	9th	291·3	287·2	3rd	298·4	−1·1	..	0	..
1062	Hall's Creek	18 13	127 46	373·4	..	1013·1	−0·1	307·1	311·2	22nd	287·1	280·9	6th	297·1	−0·4	..	7	+ 3
1063	Port Darwin	12 28	130 51	29·6	..	1012·1	+0·8	305·1	308·3	17th	295·9	294·6	14th	300·5	−0·7	*299·4*	0	+ 16
1064	Daly Waters	16 16	133 23	213	..	1011·8	..	307·3	309·7	21st	288·9	283·0	5th, 6th	298·1	−1·4	*297·6*	23	— 1
1065	Mein	13 13	142 57	121·9	..	1011·9	..	304·6	308·6	30th	290·0	286·7	4th	297·3	..	..	0	— 12
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1013·3	..	305·4	306·9	13th	287·6	282·9	4th	296·5	..	..	0	— 15
1067	Samarai	10 37	150 40	6·4	1011·3	1012·0	+0·2	304·9	..	..	..	..	..	..	..	..	236	—139
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	300·3	305·3	6th	290·8	285·0	16th	295·6	..	..	113	..
1071																		
1072	Suva, Fiji	18 8	178 26	14·8	..	1014·8	−0·7	298·9	301·9	5th	293·3	290·8	12, 13, 18	296·1	−0·6	..	64	+101
		° S. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

SEPTEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	297·1	300·2	29th	291·3	286·3	6th	294·2	..	..	208	+105
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1014·0	1017·5	..	294·9	296·8	23rd	288·0	284·8	9th	291·5	..	288·9	81	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1013·5	1016·5	−0·9	288·5	290·4	17th	283·3	281·2	7th	285·9	−0·1	*285·4*	1	0
1122	Puerto de Antofagasta	23 39	70 25	10	1014·3	1015·5	+0·5	297·1	297·4	21st, 30th	285·0	284·6	3rd, 14th	291·1	+1·3	*291·9*	0	0
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	..	289·6	−0·7	*288·3*	38	— 12
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	152	+ 89
1127	Curityba	25 26	49 16	908	913·4	1017·2	−2·0	293·6	301·6	..	282·2	275·0	..	287·9	−0·5	*287·4*	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1006·9	1014·5	−2·9	..	..	..	..	..	..	293·6	−0·7	..	58	0
1139	Windhuk	22 34	E17 5	1665·3	836·4	..	..	299·5	305·3	25th	284·5	277·5	2nd	292·0	+0·5	292·5	0	— 1
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	295·7	303·4	23rd	282·5	273·5	7th	289·1	+1·0	*289·0*	2	— 22
1142	Kimberley	28 43	28 46	?1232	885·3	..	+0·6	298·6	..	..	279·9	..	..	289·3	−0·4	289·0	..	..
1142*a*	Pretoria	25 45	28 11	1338	..	..	..	300·7	307·6	24th	280·1	273·8	1st	290·4	−0·2	..	2	— 9
1143	Durban	29 51	31 0	79·9	..	..	..	297·1	301·7	..	286·9	282·6	..	292·0	−0·8	..	102	+ 18
1144	Lorenzo Marques	25 58	32 36	59	..	1020·2	+1·5	298·6	313·7	21st	287·5	282·9	14th	293·0	−1·4	292·7	5	— 24
1147	Mauritius	20 6	57 33	54·3	1014·0	1020·6	+0·5	298·3	300·3	15th	290·2	287·1	10th	294·2	+0·1	293·9	28	— 11
1148																		
1159	Onslow	21 43	114 57	4·3	..	1014·0	−0·8	303·9	308·0	21st	286·4	280·8	3rd, 4th	295·1	+0·9	..	0	— 1
1160	Peak Hill	25 38	118 47	588·3	..	1013·9	−1·1	299·8	304·9	22nd	284·6	276·3	1st	292·2	+0·9	..	0	— 6
1161	Nullagine	21 53	120 5	385·6	..	1014·1	−0·1	304·6	308·9	16th	285·3	278·0	4th	294·9	+0·3	..	0	0
1162	Laverton	28 40	122 23	466·3	..	1017·2	+0·9	297·1	304·7	16th	281·6	275·2	2nd	289·3	0·0	..	0	— 14
1163	Alice Springs	23 38	133 37	587·0	..	1014·4	−0·6	299·8	306·6	14th	282·9	275·2	17th	291·3	−0·4	*291·5*	3	— 38
1164	William Creek	28 55	136 21	76·2	..	1016·7	..	297·3	307·7	13th	282·9	278·3	16th	290·1	..	*290·1*	9	— 2
1165	Boulia	22 55	139 38	145·7	..	1013·5	..	302·6	310·8	14th	285·4	278·3	17th	294·0	..	..	6	— 5
1166	Mitchell	26 32	147 52	337·1	..	1015·6	..	299·5	304·1	14th, 15th	280·6	272·4	17th	290·1	..	..	17	— 17
1167	Rockhampton	23 24	150 30	11·3	..	1017·0	..	301·7	305·4	12th	286·3	281·9	18th, 19th	294·0	..	..	0	— 38
1168	Brisbane	27 28	153 2	41·7	..	1016·8	−0·1	298·1	300·8	30th	285·5	281·4	4th	291·8	+0·4	..	22	— 31
1169	Noumea	22 16	166 27	9	1013·6	1014·7	..	298·0	301·8	24th	290·0	288·2	8th, 16th	294·0	+0·1	..	18	— 42
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	126	+ 29
		° S. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

SEPTEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1020·4	1021·6	+0·3	288·2	291·0	24th	..	..	..	285·4	−1·1	..	31	— 51
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1012·4	1017·2	−0·1	289·3	294·6	17th	281·9	279·0	5th	285·6	−1·9	*284·6*	35	+ 16
1222	Santiago	33 27	70 42	520	955·8	1017·1	−0·9	291·4	297·5	9th	277·6	273·4	6th	284·5	−2·1	283·2	16	— 13
1223	Cordoba	31 25	64 12	439	966·9	1018·7	+0·3	..	..	..	..	..	..	286·1	−3·0	..	12	— 10
1224	Buenos Ayres	34 16	64 11	25·2	1017·4	1020·5	+1·9	..	..	..	..	..	..	283·7	−2·7	..	18	— 61
1225																		
1226	Montevideo	34 52	W56 12	29·3	1015·3	1018·8	+1·0	287·1	294·1	19th	280·9	276·1	30th	284·0	−1·8	284·2	32	— 40
1239	Cape Town	33 56	E18 29	9	..	1018·9	−0·2	291·2	303·4	14th	283·0	278·6	6th	287·1	−0·3	*286·3*	117	+ 61
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	43	..
1241	Heidelberg	34 5	20 58	1541	854·1	..	+1·7	297·3	304·8	26th	276·8	270·6	1st	287·1	−1·8	..	4	— 41
1242	East London	33 2	27 55	10·1	1017·0	1018·2	−1·0	294·1	307·4	16th	285·5	280·2	13th	289·8	+0·2	..	28	— 19
1259	Perth (Observatory)	31 57	115 51	60·0	..	1019·8	+1·9	291·2	294·2	15th	282·6	277·4	1st	286·9	−0·6	..	61	— 24
1260	Katanning	33 42	117 35	309·7	..	1018·0	+1·1	290·3	297·5	23rd	279·2	275·8	21st	284·8	−0·1	..	27	— 25
1261	Coolgardie	30 57	121 10	423·3	..	1018·0	+1·0	294·7	304·2	11th	280·2	274·1	1st, 8th	287·4	−0·1	..	3	— 14
1262	Eucla	31 45	128 58	4·6	..	1016·8	+0·1	294·6	306·6	11th	280·9	275·5	22nd	287·7	−0·4	..	14	— 6
1263	Streaky Bay	32 48	134 13	13·1	..	1017·3	+0·2	291·7	303·0	12th	283·3	279·7	17th	287·5	+0·5	..	45	+ 9
1264	Adelaide	34 56	138 35	42·7	..	1016·7	−0·7	292·3	301·4	12th	282·3	277·2	15th	287·3	+0·4	*287·1*	97	+ 51
1265	Melbourne	37 49	144 57	35·1	..	1015·7	−0·2	290·2	297·3	27th	281·9	273·9	18th	286·1	+0·9	*285·9*	78	+ 18
1266	Bourke	30 13	145 58	110·1	..	1017·3	−1·3	298·8	307·2	14th	282·8	276·1	16th	290·8	+0·8	..	21	— 2
1267	Sydney	33 51	151 13	44·5	..	1015·4	−1·0	293·3	302·4	14th	284·7	281·4	17th	289·0	+1·1	..	53	— 21
1271	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	154	+ 17
1272	Auckland	36 50	174 50	38·1	..	..	..	288·8	291·3	11th	281·8	277·4	30th	285·3	−0·4	..	69	— 23
		° S. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

SEPTEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	58	..	..	..	285·2	288·6	20th	279·4	273·6	10th	282·3	+0·5	..	46	— 9
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	279·0	276·6	25th	281·6	−0·3	*281·1*	105	— 64
1322	Punta Galera	40 1	73 44	40	1013·0	1017·9	+0·2	285·9	290·8	27th	280·6	277·2	20th	283·3	+0·6	*282·2*	134	— 43
1323	Bahia Blanca	38 45	W62 12	20	1015·3	1017·7	+1·5	..	..	..	..	..	..	283·8	−2·4	..	121	+ 81
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1013·9	+3·3	287·3	291·9	1st	280·2	275·4	24th	283·7	+0·3	*282·8*	31	— 24
1366	Launceston	41 27	147 10	9·4	..	1013·3	..	289·3	293·7	21st	279·9	273·1	12th	284·6	+1·6	..	52	— 24
1369																		
1370	Dunedin	45 52	170 31	90	..	1013·3	+1·9	285·4	291·3	3rd	276·5	273·0	twice	281·0	−0·7	..	65	— 1
1371	Christchurch	43 32	172 38	7·6	..	1015·1	+2·3	287·9	300·3	4th	276·9	271·6	22nd	282·4	0·0	..	73	+ 28
1372	Wellington	41 16	174 46	33·5	..	1015·9	+3·0	286·8	290·2	10th, 13th	280·8	275·6	7th	283·8	+0·1	..	77	— 32
		° S. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

SEPTEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1006·0	1012·8	+12·9	286·6	288·0	22nd	274·2	273·0	var.	280·4	+2·1	*277·6*	126	−93
1422	Puerto de Punta Arenas	53 10	70 54	4	1008·4	1008·9	+ 8·3	280·7	285·0	14th	274·7	270·6	5th	277·7	0·0	277·4	15	−12
1423	Punta Dungeness	52 24	68 25	5	1009·5	1010·1	+ 6·7	280·0	285·0	22nd	..	..	..	277·5	+0·1	*277·3*	13	+ 3
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1010·4	+ 5·2	279·4	284·1	14th	274·8	270·2	29th	277·1	0·0	276·5	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	1004·6	1005·1	+ 4·1	276·3	281·1	24th	269·5	260·4	1st	272·9	−0·8	*272·5*	36	−50
1430		S.	W.															

SEPTEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	995·5	996·4	+ 3·6	271·9	275·6	..	265·6	245·0	..	268·7	+2·8	269·0	21	−10
1528																		

SEPTEMBER—ZONE 16. Between Latitude 70° S. and 80° S.

1605	Framheim	S. 78 38	W. 163 37	11·1	978·5	980·2	..	..	264·0	28th, 29th	..	220·0	11th, 17th	236·1	..	..	..	..
1669																		
1670	Cape Evans(McMurdo Sound)	S. 77 38	E. 166 24	18	..	987·3	− 3·5	..	262·7	..	..	233·6	..	..	−2·3	246·4	..	..
1671	Cape Adare	71 18	170 9	..	..	981·4	..	..	266·3	..	..	241·3	..	..	..	253·8	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—SEPTEMBER 1911.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction and Force.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.
1	SE	7·6	E 2	E 2	W 2	W 3	SE 4	E 4	SE 3	SW 1	SW 2	E 3
2	SSE	?	E 2	E 2	SW 3	W 3	E 5	E 4	SE 2	SW 1	SW 5	E 4
3	SE	?	E 4	E 2	W 2	W 5	E 5	E 5	SE 3	SW 5	SW 5	NE 3
4	SE	11·4	SE 2	SE 2	W 3	W 3	SE 5	SE 5	SE 2	SW 6	SW 6	N 2
5	SE	8·5	SE 2	E 2	NE 2	W 3	SE 5	SE 5	SE 2	SW 4	SW 4	NE 3
6	SE by S	5·1	SE 4	NW 4	Calm 0	W 3	E 4	SE 1	SE 1	SW 3	SW 6	NE 2
7	SE by E	5·1	NW 2	SW 2	E 2	W 3	E 4	SE 2	Calm 0	SW 3	SW 5	NE 2
8	SSE	6·7	W 2	W 2	NW 2	NW 3	SE 4	NE 3	SE 3	SW 2	SW 3	SW 1
9	SE by E	5·7	SE 4	E 4	NE 2	N 2	E 5	SE 3	SE 3	W 4	SW 3	SW 1
10	SE	10·3	E 4	E 4	Calm 0	W 3	E 3	SE 2	SE 2	SW 3	SW 3	SW 1
11	E by S	10·0	NE 3	E 2	Calm 0	SW 3	SE 5	SE 1	Calm 0	SW 3	SW 3	W 1
12	SE by E	7·1	E 4	SE 4	NW 2	W 3	SE 4	SE 2	NW 1	SW 3	SW 1	NW 2
13	SE	7·8	SE 4	Calm 0	W 3	SW 3	SE 4	SE 2	SE 2	SW 1	SW 1	NW 2
14	SSE	7·2	SW 2	Calm 0	NE 3	Calm 0	E 4	SE 3	SE 4	SW 1	SW 1	N 1
15	SE by S	7·5	NW 2	Calm 0	Calm 0	SW 3	E 4	SE 2	Calm 0	SE 3	SE 1	SE 3
16	SSE	5·2	SE 1	Calm 0	Calm 0	NE 2	E 4	SE 3	Calm 0	SE 3	SE 3	E 2
17	S by E	4·3	SE 4	SE 3	Calm 0	SW 3	SE 4	SE 2	W 2	SW 3	SW 2	NE 1
18	S by E	4·0	SE 4	SE 2	NE 2	NW 3	SE 4	E 2	Calm 0	SW 4	SW 5	NE 2
19	SSE	4·8	SE 4	SE 2	NE 2	W 2	E 4	E 3	SE 2	SW 2	SW 4	NE 1
20	SE by S	2·6	SE 4	SE 4	W 2	W 3	E 4	E 3	Calm 0	SW 2	SW 4	E 1
21	SE by S	4·6	SE 4	E 4	NW 2	W 2	E 4	E 3	Calm 0	SW 3	SW 3	SE 2
22	SSE	8·1	E 4	E 4	Calm 0	W 3	E 4	E 4	SE 1	SW 1	SW 1	E 1
23	SE by S	9·6	E 4	E 3	N 2	W 3	E 4	E 3	Calm 0	SW 1	SE 1	E 4
24	SSE	8·1	SE 2	E 2	W 3	W 3	SE 3	E 3	SE 2	SE 2	Calm 0	NE 4
25	SSE	12·2	Calm 0	Calm 0	W 3	SE 2	E 2	E 4	SE 4	SE 3	Calm 0	NE 3
26	SSE	10·4	SE 4	SE 2	NE 2	Calm 0	E 3	E 4	SE 3	NE 3	SE 2	NE 4
27	SE by S	10·9	SE 2	SE 2	N 2	W 2	E 2	E 3	ESE 1	SE 3	SE 2	E 2
28	SE by S	9·4	SE 4	SE 3	Calm 0	W 3	E 2	E 3	Calm 0	SE 3	SE 1	SE 2
29	SE	8·5	SE 4	Calm 0	Calm 0	W 2	E 5	E 4	ESE 1	SW 1	Calm 0	W 1
30	SE	7·2	SE 2	SE 2	NE 2	W 3	E 5	E 5	SE 1	SW 1	SW 1	E 1
Mean for Month	..	7·5	3·0	2·2	1·6	2·6	4·0	3·1	1·5	2·6	2·6	2·1
Deviation from Normal	..	−1·5	..	..	..	..	+0·4	..	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—SEPTEMBER 1911.

**Seas round Novaja Zemlja and Spitsbergen.*—" E. of Spitsbergen the ice boundary ran from Edge I. S. of King Charles Land, on lat. 78° N. to about long. 37° E. The ice was somewhat broken near the edge, but only a mile within the edge it was impenetrable, being pressed together by an E.S.E. wind. S. of the land there was no ice, and the W. coast also, and all its fjords, were ice-free."

**Greenland Sea.*—" On the E. coast the ' Laura ' continued to drift S. with the ice. A little N. of Scoresby Sound the speed increased, and as on the 8th the wind at last turned to S.W., the ' Laura ' was able to force out in 70° 30′ N., 18° 24′ W. The speeds in miles per day were : September 1st, 20 ; 2nd–3rd, 14 ; 4th, 10 ; 5th–6th, 9 ; 7th, ? The mean speed during the whole drift was 12·7 miles per day." **Iceland.*—" The coasts were ice-free."

**Denmark Strait.*—" Off Angmagsalik the sea was almost ice-free. At the end of the month, the winter ice was thick enough to carry a man."

North Atlantic and Labrador.—" On the Newfoundland Banks the icebergs decreased very much, limits now 43° 12′ N., 45° 54′ W. In and off Belle Isle Strait a few icebergs were observed, and along Labrador from Sandwich Bay to Belle Isle there were many icebergs along the coast, otherwise the sea was ice-free."

**Davis Strait.*—" Throughout the month, the sea was ice-free from Cape Farewell along the whole W. coast of Greenland ; some icebergs were met in the middle of the Strait. At first vast masses of ice lay at Kate Harbour. In Hudson Strait numerous icebergs were observed. Hudson Bay was free."

**Beaufort Sea.*—" Around Herald I. and Wrangel I. was open water. Along the N. coast of Siberia conditions were similar to August, the E. ice edge extending almost to Koliutchin Bay."

* *Isforholdene i de arktiske Have, 1911*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, OCTOBER 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF OCTOBER 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. OCTOBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1006·7	1007·6	..	..	..	..	..	..	..	261·4	..	*261·4*	1	..
124																		
125	Upernivik	72 47	W56 7	18·9	1004·4	1006·8	−2·4	273·3	277·2	5th	267·4	262·5	16th	270·2	+1·0	*270·8*	4	− 22
126																		
139	Spitsbergen	78 2	E 14 14	11·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1002·2	1002·9	−3·8	..	279·8	1st	271·3	266·4	26th	..	−1·5	*273·5*	115	+ 37
142	Mehavn	71 1	27 47	6·4	1002·4	1002·9	..	..	281·7	16th	270·8	263·2	26th	..	..	*272·8*	145	+ 33
143	Vardö	70 22	31 8	10·0	1002·0	1002·8	−4·4	..	280·8	17th	271·1	266·0	25th	..	−1·3	*273·2*	87	+ 21
144		N.	E.															

Between Latitude 70° N. and 60° N. OCTOBER—ZONE 2.

209	Dawson	N. 64 4	W. 139 20	321	974·3	1014·2	+3·7	274·9	285·8	10th	268·5	257·4	30th, 31st	271·7	+1·4	..	41	+ 7
210	Carcross	60 11	134 34	662	..	..	..	279·4	286·3	12th	272·7	265·8	25th	276·0	..	..	29	..
211																		
212	Fort Simpson	61 52	120 43	129	1000·4	1016·7	..	278·5	291·3	..	269·6	261·9	..	274·1	..	*274·3*	4	..
213																		
214	Hay River	60 51	115 20	161	996·0	1015·9	..	279·4	289·7	12th	271·5	260·0	31st	275·4	..	..	13	..
225	Jacobshavn	69 13	51 2	12·6	1003·4	1005·0	−3·4	274·5	287·7	4th	269·5	260·2	18th	272·0	+2·4	*272·1*	44	+ 22
226	Godthaab	64 11	51 44	9	999·9	1001·0	−5·2	..	..	..	272·3	266·0	30th	..	..	*273·8*	125	+ 62
229	Angmagsalik	65 37	37 34	31·7	1006·4	1010·4	+6·5	276·3	284·0	7th	270·3	262·7	26th	273·3	..	..	119	..
230																		
231	Stykkisholm	66 5	22 46	11·3	1011·2	1012·6	+6·3	280·1	285·5	4th	275·2	266·5	26th	277·7	+1·3	*278·0*	86	+ 16
232	Vestmanno	63 26	20 15	7·7	1012·7	1013·6	+7·4	280·8	284·2	18th	276·7	267·6	27th	278·8	+1·0	*279·0*	92	− 43
233	Grimsey (Akureyri)	66 33	17 58	6·8	1013·4	1014·2	+6·6	278·8	284·5	16th	272·6	266·1	27th	275·7	+0·6	*276·2*	4	− 50
235	Berufjord	64 40	14 19	18	1011·4	1013·6	+6·9	280·1	287·8	11th	274·0	265·0	27th	277·1	+1·1	*277·2*	73	− 40
236	Thorshavn	62 3	W 6 45	25·7	1011·2	1014·3	+7·1	281·7	285·4	15th	277·2	268·2	28th	279·5	+0·2	..	81	− 94
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1007·4	1012·7	+1·6	..	288·4	4th	276·4	270·3	27th	..	−1·1	*279·2*	113	−127
238	Christiansund	63 7	7 45	17·8	1010·7	1011·9	+3·4	..	283·8	6th	276·1	269·8	26th	..	−1·3	*278·7*	185	+ 37
239	Trondhjem	63 26	10 25	39·5	1008·3	1012·6	+3·5	..	285·0	7th	272·9	263·6	30th	..	−1·8	*276·3*	93	− 18
240	Bodö	67 17	14 24	20·5	1006·3	1008·6	+0·7	..	282·4	16th	273·6	268·0	23rd	..	−1·0	*276·1*	152	+ 44
242	Haparanda	65 50	24 9	9·2	1006·7	1007·9	−2·1	276·1	284·0	7th	269·4	261·5	15th	272·8	−1·6	*273·1*	82	+ 26
242a	Helsingfors	60 10	24 57	11·7	..	1011·4	−1·4	..	285	..	..	268	..	277·8	−0·8	*277·7*	74	+ 9
242a	Kuopio	62 54	27 40	99·7	..	1010·7	−1·2	..	283	..	..	264	..	275·2	−1·2	*275·1*	71	..
243	Kola	68 53	33 1	6·7	1003·8	1004·7	−3·1	..	281·5	7th	267·9	253·9	23rd	271·3	−1·3	*271·2*	68	+ 48
244	Petrozavodsk	61 47	34 23	38·9	1005·1	1009·9	−3·3	..	285·8	4th	..	..	..	276·2	−0·1	*276·1*	..	..
245	Arkhangelsk	64 33	40 32	6·7	..	1006·4	−4·7	..	283	..	..	264	..	274·1	−0·4	*274·0*	85	+ 45
246	Velsk	61 5	42 7	? 87	999·5	1010·4	..	..	286·2	4th	270·6	262·1	12th	274·2	..	*274·1*	67	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1003·5	−9·8	..	283	..	..	261	..	270·9	−0·4	*270·8*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	991·1	1006·7	..	..	282·7	2nd	267·7	257·7	23rd	271·3	..	*271·2*	79	..
249	Berezov	63 56	65 4	39·9	999·9	1005·0	−8·4	..	284·8	1st	266·5	252·4	21st	270·3	+1·1	*270·2*	32	+ 11
250	Obdorsk	66 31	66 35	24·2	1000·0	1003·0	−8·4	..	283·2	1st	263·8	252·3	24th	267·4	−2·6	*267·3*	31	+ 16
251	Sourgout	61 15	73 24	40	1002·3	1007·4	−7·8	..	283·6	2nd	268·2	256·7	24th	271·7	+0·4	*271·6*	60	+ 31
253																		
254	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Doudinka	69 7	87 9	? 20	998·7	1001·3	..	..	276·9	1st, 2nd	260·4	239·3	25th	264·7	..	*264·6*	25	..
261	Olekminsk	60 22	120 26	? 202	999·8	1025·4	−1·8	..	287·7	14th	268·1	257·6	28th	272·3	+4·1	*272·2*	15	..
262	Iakoutsk	62 1	129 43	? 108	1003·1	1017·0	−1·8	..	280·6	14th	262·5	251·4	29th	267·2	+2·8	*267·2*	11	− 5
263	Verkhoïansk	67 33	133 24	? 100	995·5	1008·7	−3·1	..	278·0	14th	253·0	240·3	31st	259·2	+0·9	*259·2*	..	..
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	278·4	15th	261·8	250·4	25th	266·1	..	*266·1*	4	..
271	Markovo sur Anadyr	64 45	170 50	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272	Novo-Mariinskii Post	64 45	177 33	? 3	..	..	..	..	..	..	..	..	..	..	..	..	5	..
		° , N.	° , E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
307																		
308																		
309		N.	W.															
310	Prince Rupert	54 18	130 18	52	1007·8	1014·0	..	285·5	291·9	..	278·7	273·6	..	282·1	..	..	190	..
311	Barkerville	53 2	121 35	1274	..	1019·0	..	281·2	293·0	8th	271·1	263·0	25th	276·1	+0·5	*276·0*	21	−52
312	Kamloops	50 41	120 29	379	..	1018·1	+1·5	288·8	304·0	8th	275·0	265·8	31st	281·9	−0·3	*281·7*	1	−13
313	Calgary	51 2	114 2	1033	..	1018·4	+3·9	283·9	296·3	7th, 9th	271·4	263·0	25th, 27th	277·7	−0·9	*277·6*	13	+1
314	Fort Chipewyan	58 42	111 10	218	989·7	1016·9	..	278·6	288·0	7th	269·7	251·9	30th	274·1	..	*274·4*	? 5	..
315	Prince Albert	53 10	106 0	436	962·6	1015·4	+2·2	283·5	299·9	8th	271·4	258·0	30th	277·4	+0·7	*277·0*	1	−21
316	Qu'Appelle	50 30	103 47	645	938·9	1016·2	+1·7	282·3	299·1	9th	271·6	259·1	31st	276·9	−1·1	*276·2*	64	+38
317	Minnedosa	50 15	99 50	515	954·7	1016·8	..	282·5	296·7	..	272·3	259·7	..	277·4	−0·4	*276·5*	47	+20
318	Berens River	52 18	97 23	216	..	..	..	281·4	293·6	..	272·5	255·2	..	276·9	..	*276·1*	63	..
318*a*	Fort Churchill	58 51	94 11	9	1015·4	1016·6	..	269·8	276·9	..	..	..	..	..	..	..	..	..
319	Fort Hope	51 32	87 48	..	981·3	..	..	279·6	293·0	12th	271·3	254·1	30th	275·4	..	..	5	..
320	Moose Factory	51 16	80 56	9	1014·5	1015·5	..	281·9	296·3	10th	271·9	253·6	31st	276·9	..	..	98	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	1006·0	1006·5	−3·0	275·1	282·4	..	269·8	262·0	..	272·5	−0·9	..	..	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	284·1	23rd	..	271·9	28th	277·6	..	..	78	−11
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1010·5	1012·1	−1·2	286·6	289·7	19th	282·2	276·9	28th	284·4	+0·8	284·5	160	+20
335	Aberdeen	57 10	2 6	27·4	1010·9	1014·1	+3·6	283·2	285·8	7th	277·6	269·7	29th	280·4	−0·6	280·6	80	+5
336	Greenwich	51 28	W 0 0	48·5	1007·8	1013·7	+0·3	287·1	293·0	12th	279·6	270·8	29th	283·4	+0·3	283·3	84	+13
337	Uccle	50 48	E 4 22	100	1001·9	1014·1	−0·4	287·4	294·6	19th	279·4	272·8	29th	283·4	−0·1	283·2	89	+11
338	De Bilt	52 6	5 11	3·0	1013·4	1013·8	+1·3	287·0	291·0	21st	278·4	271·8	29th	282·7	0	282·5	114	+40
338*a*	Hamburg	53 33	9 59	26·0	1011·0	1014·2	+0·4	285·7	290·0	21st	279·8	272·9	29th	282·8	+0·6	282·4	71	−4
339	Copenhagen	55 41	12 36	5·0	1013·1	1013·7	+0·9	284·2	286·8	8th	279·7	274·2	30th	282·0	+0·9	*282·0*	74	−15
340	Potsdam	52 23	13 4	84·9	1005·1	1015·5	0·0	286·1	291·8	21st	278·1	270·9	17th	282·1	−0·3	281·6	31	−8
340*a*	Upsala	59 51	17 38	24·0	1009·1	1012·1	+0·2	280·9	286·8	11th	273·1	263·1	30th	277·0	−1·1	277·0	75	+22
341	Warsaw	52 15	21 1	127	1002·6	1018·1	+2·1	285·9	292·5	8th	277·6	269·4	16th	281·8	−0·1	*281·1*	25	+19
342	Jurjev	58 23	26 43	74·5	1003·9	1013·2	−0·8	281·4	286·2	..	273·4	267·4	..	277·4	−1·6	277·7	65	+10
343	Petrograd	59 56	30 16	4·8	..	1011·2	−2·4	..	286	..	..	268	..	277·2	−0·3	*277·1*	42	−3
344	Kiev	50 27	30 30	182·9	..	1019·9	+1·1	..	292	..	..	268	..	281·1	+0·4	*281·0*	44	−1
344*a*	Moscow	55 45	37 34	156	997·0	1016·4	−1·6	280·4	287·8	4th	273·7	262·1	17th	277·1	−0·8	276·9	27	−11
345	Saratov	51 32	46 3	59·9	..	1020·6	+0·1	..	289	..	..	264	..	277·7	−1·7	*277·6*	10	−30
346	Kazan	55 47	49 8	79·8	1006·2	1016·2	−3·0	..	289·0	3rd	..	260·0	17th	275·1	−1·6	*275·1*	27	−3
347	Orenburg	51 45	55 6	114·1	..	1021·1	−1·2	..	287	..	..	263	..	275·1	−2·1	*275·0*	53	+18
348	Perm	58 1	56 15	163·0	..	1012·6	−3·9	..	286	..	..	264	..	273·1	−1·5	*273·0*	37	−3
349	Ekaterinburg	56 50	60 38	288·9	..	1013·8	−4·6	..	286	..	..	261	..	273·3	−0·7	*273·3*	18	−7
350	Tobolsk	58 12	68 14	108·3	998·3	1011·9	..	..	286·3	6th	269·6	259·7	24th	273·3	−0·2	*273·2*	36	+1
351	Akmolinsk	51 12	71 23	? 347	978·2	1021·2	−4·4	..	288·8	8th	270·7	261·9	24th	274·6	−0·5	*274·5*	52	+31
352	Omsk	54 58	73 23	87·3	1004·4	1015·4	−4·2	..	286·0	6th	271·2	263·9	24th	274·6	+0·3	*274·5*	39	+20
353	Barnaoul	53 20	83 47	157·7	1002·8	1022·5	−0·9	..	289·6	13th	272·5	266·5	25th	276·6	+2·2	*276·5*	34	+9
354	Tomsk	56 30	84 58	121·6	1003·0	1018·3	−1·5	..	288·0	12th	272·1	263·3	25th	275·6	+2·2	*275·5*	43	−16
355	Minousinsk	53 43	91 41	? 255	993·1	1024·8	..	..	288·3	15th	271·9	267·9	18th	276·4	..	*276·3*	13	−9
356	Eniseisk	58 27	92 11	84·4	1006·4	1017·0	−2·9	..	288·1	12th	271·5	263·0	25th	275·3	+3·3	*275·2*	28	−12
357	Irkutsk	52 16	104 19	467·0	966·4	1025·2	+1·4	..	291·9	19th	270·3	259·7	26th	275·7	+2·4	*275·7*	23	+6
358	Kirensk	57 47	108 7	? 263	987·9	1020·8	..	..	286·6	13th	269·1	247·7	30th	273·4	..	*273·4*	26	..
359	Tchita	52 2	113 30	673·8	939·6	1021·9	..	..	284·7	17th	266·7	258·1	27th	272·3	..	..	21	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	961·0	1022·4	..	..	283·4	13th	264·8	247·0	31st	269·3	..	*269·3*	24	−7
360*a*	Nertchinsk	51 59	116 35	484·3	960·6	1020·4	..	..	288·4	20th	265·5	255·0	28th	272·3	−2·2	*272·3*	7	..
361	Tygan Ourkan	54 5	124 46	? 370	972·6	1019·0	..	..	287·4	15th	263·1	251·0	30th	270·2	..	*270·2*	9	..
362	Blagoveshchensk	50 15	127 38	? 160	..	1019·1	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	288·4	17th	278·5	257·0	30th	274·2	..	*274·2*	23	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1012·7	1015·3	+1·7	..	286·4	21st	269·6	260·7	31st	275·0	+0·5	*275·0*	46	+8
366	Okhotsk	59 21	143 17	6·0	1012·4	1013·1	+0·1	..	278·2	15th	264·6	258·0	26th	269·0	−0·8	..	10	−16
367																		
368	Petropavlovsk Phare	52 53	158 47	87·1	998·7	1009·6	+1·8	..	283·2	3rd	272·2	265·5	27th	275·2	−2·1	..	79	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	..	1018·6	+1·7	287·1	292·2	7th	278·9	273·8	29th	283·0	−0·8	282·5	16	−42
412	Portland, Oregon	45 32	122 41	46·6	1013·6	1018·9	+1·0	289·9	298·6	7th	280·8	274·1	29th	285·3	+0·5	*284·8*	25	−69
413	Macleod	49 44	113 24	954	..	..	..	285·9	298·6	9th	273·2	263·0	25th, 27th	279·6	−0·5	*279·3*	8	−4
414	Helena	46 34	112 4	1253	876·0	1020·3	+3·4	283·3	297·4	9th	272·3	264·1	27th	277·8	−1·8	*277·5*	61	+40
414*a*	Salt Lake City	40 46	111 54	1331	868·9	1017·3	+1·0	288·8	298·0	8th	277·2	272·4	21st	283·0	−1·2	*283·1*	42	+6
415	Cheyenne	41 8	104 48	1856	814·2	1018·6	+2·4	285·2	296·3	14th	272·6	262·4	21st	278·9	−1·6	*278·6*	24	+6
416	North Platte	41 8	100 45	860	919·2	1019·6	+3·0	287·7	298·0	10th	273·9	266·3	31st	280·8	−2·2	*280·5*	93	+64
416*a*	Bismarck	46 47	100 38	510·2	958·0	1019·3	+3·7	285·3	299·7	8th	273·9	259·1	31st	279·6	−0·2	*279·2*	18	−8
417	Winnipeg	49 53	97 7	231·6	..	1018·0	+2·8	283·7	295·8	8th	274·4	262·6	31st	279·1	+0·8	*277·9*	47	+8
418	Duluth	46 47	92 6	345·3	976·2	1018·3	+2·4	282·3	291·9	8th	274·7	264·1	31st	278·5	−1·8	*278·4*	35	−35
419	Port Arthur	48 27	89 12	196·3	..	1017·6	+1·7	282·5	295·2	8th	273·8	262·4	31st	278·2	−0·2	*278·0*	42	−22
420	Chicago	41 53	87 37	250·9	988·1	1018·3	+1·0	287·8	299·1	3rd	281·8	273·0	27th	284·8	0·0	*284·8*	96	+32
421	Toronto	43 40	79 24	106·7	..	1018·8	+1·2	287·3	296·7	4th	278·2	270·4	28th	282·7	+0·7	281·9	91	+22
422	New York	40 43	74 0	96	1007·3	1018·6	+0·7	289·5	295·2	4th	282·8	276·9	28th	286·1	+0·4	286·4	137	+42
423	St. John, N.B.	45 17	66 4	21·3	..	1018·3	+2·4	284·7	291·6	11th	277·5	270·5	28th	281·1	−0·4	*281·0*	27	−78
424	S. W. Point, Anticosti	49 24	63 35	9	1012·5	1013·6	+0·1	278·8	283·0	..	273·3	263·6	..	276·1	..	..	59	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1017·1	1018·0	..	285·1	289·1	..	280·1	275·2	..	282·6	..	..	110	−7
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1012·7	−0·1	283·8	291·3	23rd	275·2	269·1	18th	279·5	+0·9	..	186	+28
435	Madrid	40 24	3 41	655·4	941·2	1015·1	−2·1	292·0	297·9	11th	279·7	272·0	30th, 31st	285·9	−1·1	285·1	97	+52
436	Nantes	47 15	W 1 34	41·4	1008·8	1013·8	−1·8	288·6	294·2	12th	281·8	275·1	2nd	285·2	−0·4	*284·8*	146	+84
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1008·6	1014·6	−0·6	288·4	295·3	18th, 19th	279·9	274·1	29th	284·1	+0·8	283·9	66	+5
438	Marseilles	43 18	5 23	75·0	1006·7	1015·7	+0·9	292·0	299·0	9th	284·0	277·3	30th	288·0	−0·1	*287·4*	51	−60
438*a*	Zürich	47 23	8 33	493·2	959·2	1018·1	−1·2	..	291·3	15th	..	274·2	3rd	282·3	+0·9	282·2	5	−98
439	Rome	41 54	12 29	63·4	..	1017·2	+1·2	294·5	300	9th	286·6	282	3rd, 20th	290·6	+0·8	*290·4*	96	−22
440	Vienna	48 15	16 22	202·5	993·4	1018·0	+0·9	285·8	293·7	8th	278·9	275·3	30th	282·4	−0·3	282·2	50	+3
440*a*	Buda-Pesth	47 30	19 2	129·6	1003·6	1019·4	+1·7	288·8	296·1	8th	278·5	272·3	19th	283·7	−0·1	*283·2*	68	+2
441	Bucharest	45 25	26 6	82	1011·2	1021·1	+3·3	294·0	302·2	9th	279·1	271·0	18th	286·6	+1·2	..	14	−24
442																		
443	Odessa (University)	46 29	30 46	65·3	1014·0	1021·9	+2·9	288·6	297·2	9th	281·5	270·2	17th	285·1	+0·8	*284·9*	12	−18
444	Kharkov (University)	50 0	36 14	140	..	1021·8	+1·1	..	290	..	..	268	..	280·3	−0·1	*280·2*	52	+12
444*a*	Novorossiisk	44 40	37 49	37	..	1021·8	+2·6	..	297	..	..	271	..	286·2	−0·9	*286·1*	25	−15
445	Tiflis	41 43	44 48	409	..	1024·0	+3·6	..	296	..	..	272	..	284·7	−2·3	*284·7*	12	−23
446	Astrakhan	46 21	48 2	−14	..	1023·9	+2·4	..	292	..	..	268	..	280·6	−2·7	*280·5*	17	+7
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1023·8	+2·8	..	295	..	..	277	..	286·7	−3·8	*286·7*	..	..
449	Tachkent	41 20	69 18	478·3	967·8	1025·1	+2·5	..	300·6	13th	276·0	268·7	3rd	282·4	−2·9	*282·5*	49	+25
450	Irgiz	48 37	61 16	112	1007·8	1021·8	..	..	289·3	7th	..	..	..	277·1	−1·7	*277·0*	18	+3
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	288·0	1st	270·5	265·4	25th	277·6	+0·2	*277·6*	18	0
452	Vernyi	43 16	76 53	? 835	927·1	1026·8	+4·6	..	293·9	13th	..	..	..	278·0	−2·5	*278·0*	80	+33
461	Mukden	41 48	123 23	43·8	1014·6	1020·0	+0·4	287·0	292·4	3rd	275·3	267·5	28th	281·2	−2·1	..	21	−22
462	Joshin	40 40	129 11	4·0	1016·3	1016·8	−1·6	289·7	297·0	4th	279·0	274·3	10th	284·4	−0·6	..	48	+21
463	Vladivostok	43 7	131 54	15·7	1014·4	1016·3	−2·8	..	292·0	3rd	278·4	272·7	27th	282·4	−0·1	*282·4*	19	−23
465	Ochiai	47 20	142 44	15·0	1013·2	1015·0	..	283·9	290·2	13th	273·9	266·8	30th	278·9	..	278·8	252	..
466	Nemuro	43 20	145 35	26·7	1010·4	1013·7	−1·9	287·3	295·5	1st	279·7	273·8	21st	283·5	+0·2	283·7	126	+34
		N.	E.															

Between Latitude 40° N. and 30° N.

OCTOBER—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1010·3	1015·9	−0·3	293·3	303·6	16th	284·8	283·0	29th	289·1	+1·4	*288·3*	7	−36
512	San Luis Obispo	35 18	120 39	61·3	1008·0	1015·2	−0·3	296·3	308·0	16th	282·2	278·0	23rd	289·2	+1·1	*288·6*	3	−23
513	Modena	37 48	113 54	1670	834·5	1016·2	+1·7	289·8	296·3	17th	271·8	265·2	21st	280·8	−2·2	*280·7*	1	−20
514	San Diego	32 43	117 10	26·5	1010·3	1013·5	−0·7	294·4	301·9	7th	286·0	283·0	15th	290·2	0·0	*290·0*	7	−3
515	Santa Fé	35 41	105 57	2138	788·8	1016·6	+2·0	287·3	296·3	2nd	275·1	266·9	21st	281·2	−1·8	*281·0*	80	+52
516	Denver	39 45	105 0	1613	838·9	1017·9	+1·7	288·2	299·7	14th	274·4	264·7	21st	281·3	−2·2	*281·0*	8	−16
517	Abilene	32 23	99 40	529·7	956·4	1017·3	+1·0	297·3	307·4	3rd	285·1	273·0	22nd	291·2	+0·3	*291·0*	35	−24
518	Saint Louis	38 38	90 12	172·8	997·4	1017·9	0·0	291·1	304·1	3rd	283·1	274·7	27th	287·1	−0·6	*286·8*	67	+6
519	Mobile	30 41	88 2	17·4	1014·4	1016·6	−0·7	299·9	306·9	5th	291·2	279·7	23rd	295·6	+3·1	*295·2*	73	−7
520	Nashville	36 10	86 47	166·4	998·9	1018·6	0·0	295·6	305·2	3rd	284·9	274·7	23rd	290·2	+1·5	*290·0*	56	−7
521	Charleston	32 47	79 56	14·6	1015·8	1017·3	−0·7	298·4	306·9	7th	291·6	285·2	29th	295·0	+2·5	*294·7*	100	0
522	Washington	38 54	77 3	34·1	1015·0	1018·9	+0·3	291·9	299·7	4th	282·1	276·3	26th	287·0	+0·3	*286·8*	103	+25
523	Bermuda	32 17	64 46	46·0	..	1017·2	+0·5	299·2	300·6	20th	293·2	290·7	19th	296·2	+0·2	..	36	−165
531	Horta	38 32	28 38	30	..	1021·8	+2·0	293·8	297	3rd	290·1	287	sev. dates	292·0	+0·2	..	39	−33
532	Ponta Delgada	37 44	25 40	17	..	1021·4	+2·0	293·2	297	28th	289·1	287	sev dates	291·2	−0·6	..	33	−53
533	Madeira (Funchal)	32 37	16 54	25	1017·1	1020·0	+2·0	296·2	302	1st	287·0	284·2	30th	291·6	−0·3	..	119	+46
534	Lisbon	38 43	9 9	95·4	1006·2	1017·6	+0·7	292·4	299·5	1st	287·0	283·3	30th	289·7	−0·5	*289·5*	159	+79
535	Casablanca	33 37	7 35	17	1016·4	1018·4	..	294·6	296·4	..	289·5	285·5	..	292·0	−0·1	*290·7*	27	−6
536	Gibraltar	36 6	5 21	16	1013·1	1015·0	−0·1	295·9	304·1	1st	287·2	282·9	30th	291·3	−0·9	*291·1*	58	−21
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.					a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1011·2	1015·7	+0·3	298·2	304·4	7th	290·7	283·6	30th	294·5	+0·1	*293·9*	186	+124
538	Palma	39 33	2 42	23	..	1016·4	+0·1	296·6	301	12th	289·2	286	3rd	292·9	+1·9	..	32	— 53
538a	Tunis	36 48	10 10	43	1014·3	1019·3	+2·7	300·8	313·5	9th	290·7	285·6	27th	295·8	+2·8	..	43	+ 8
539	Malta	35 54	14 31	59	..	1020·3	+2·9	297·3	301	9th, 10th	292·2	289	3rd	294·8	+0·3	..	39	— 41
540	Catania	37 30	15 3	64·9	1011·5	1019·2	+2·5	297·0	304·8	10th	289·7	286·3	20th	293·4	+0·4	..	13	— 74
541	Athens	37 58	23 43	107·1	..	1019·5	+2·3	296·1	305	9th	288·5	284	sev. dates	292·3	−0·4	*291·9*	15	— 27
542	Alexandria	31 9	29 54	32·0	..	1017·4	+0·9	300·0	305	13th	293·0	285	20th	296·5	−0·4	*295·9*	8	— 1
543	Cairo (Helwan)	29 52	31 20	115·6	..	1016·6	+0·4	302·1	308	8th	291·0	287	26th	296·6	0·0	296·3	0	0
544	Nicosia	35 12	33 24	152	..	1015·5	+0·2	301·6	309	5th	285·7	283	sev. dates	293·6	−1·0	..	4	— 18
544a	Beirut	33 54	35 28	52·4	..	1015·1	+0·1	300·0	303	11th	293·2	288	21, 22, 23	296·6	−0·2	..	137	+ 82
545	Baghdad	33 21	44 28	38·7	1010·1	1014·7	+1·1	306·3	310·4	4th	290·4	285·7	27th	298·4	+0·1	..	0	— 2
546	Lenkoran	38 46	48 52	−19	1025·5	1023·2	+3·1	..	297·2	11th	282·6	277·2	18th	285·8	−3·9	*285·8*	282	+ 84
547	Busrah	30 31	47 53	7·6	1011·8	1012·8	−1·9	305·4	309·5	1st	293·6	287·6	27th	299·4	+0·2	..	0	— 2
548	Meshed	36 16	59 35	946	912·5	1022·0	..	293·8	304·9	1st	276·8	270·2	4th	285·3	−1·4	..	5	— 5
549	Quetta	30 11	67 3	1677	836·3	..	+0·2	296·8	302·5	2nd, 3rd	276·1	272·8	11th, 31st	286·4	−0·2	*286·4*	15	+ 12
550																		
551	Lahore	31 34	74 20	214	986·9	1011·4	−0·2	308·8	313·5	4th	290·9	285·9	30th	299·9	+1·8	*299·1*	7	+ 3
551a	Simla	31 7	77 8	2204·3	784·1	..	+0·7	289·6	293·5	4th	283·9	279·1	28th	286·8	+0·1	*286·8*	42	+ 20
552	Leh	34 10	77 42	3506	668·8	..	+0·1	290·4	296·6	3rd, 7th	272·9	266·9	30th	281·6	+1·8	*280·7*	0	— 4
552a	Dehra Dun	30 20	78 0	681	936·3	1012·1	+0·2	301·1	303·0	3rd, 5th	290·0	285·8	30th	295·6	+0·6	*295·2*	42	+ 20
559	Hang Kow	30 35	114 17	37·0	1016·9	1021·3	+1·7	296·2	302·2	6th	287·5	283·5	18th	291·9	+0·1	..	25	— 88
560	Tiensin	39 10	117 10	5·0	1020·8	1021·4	+0·7	291·9	297·5	17th	282·4	276·5	28th	287·2	−0·9	..	8	— 18
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1018·6	1019·4	+0·3	296·3	303·9	2nd	284·7	278·8	16th	290·5	−0·5	289·5	63	+ 55
562	Chemulpo	37 29	126 32	67·6	1010·2	1018·4	−0·2	290·3	295·0	4th	282·0	277·7	10th	286·2	−2·1	286·0	37	— 25
562a	Nagasaki	32 44	129 52	133·0	1000·9	1016·7	−0·1	294·0	298·7	7th	286·6	283·3	30th	290·3	−1·2	290·0	106	+ 43
563	Kioto	35 1	135 46	49·4	1009·9	1015·8	−1·3	295·4	301·7	2nd	282·3	277·5	30th	288·8	−0·3	287·9	173	— 33
564	Tokio	35 41	139 45	21·3	1011·8	1014·3	−2·5	293·1	299·3	3rd	285·3	280·9	31st	289·2	0·0	288·8	151	+152
565	Miyako	39 38	141 59	30·4	1010·5	1014·1	−3·1	292·1	296·8	3rd	281·7	275·8	30th	286·9	+0·6	285·9	324	
566																		
		N.	E.															

OCTOBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.					a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1014·4	1015·7	+0·7	299·9	301·9	..	294·1	292·4	..	297·0	−0·9	..	25	— 57
606																		
615	Zacatecas	22 47	102 35	2610	747·5	..	..	289·3	294·4	1st	280·9	278·4	8th	285·1	..	..	69	..
616	Leon	21 7	101 41	1798·6	822·7	..	−0·5	297·3	301·5	1st	286·2	281·0	26th	291·8	+1·0	..	46	+ 11
617	Galveston	29 18	94 50	16·5	1015·0	1017·3	+0·3	298·4	304·1	3rd	292·8	282·4	22nd	295·6	+0·2	*295·5*	150	+ 44
618	New Orleans	29 58	90 4	15·5	1014·5	1016·2	−0·7	300·1	306·9	2nd	292·6	284·1	23rd	296·3	+2·5	*295·9*	51	— 24
619	Havana	23 8	82 22	24·3	..	1014·2	+1·2	..	305·2	17th	..	295·2	3rd	299·9	+0·9	*299·6*	46	—142
620	Key West	24 33	81 48	6·7	1013·2	1013·9	0·0	303·4	304·7	23rd	297·9	295·2	30th	300·7	+1·7	*300·7*	135	— 1
621	Nassau, Bahamas	25 5	77 21	7·6	1016·5	1017·4	+2·8	302·8	304·4	5th	297·3	294·9	25th	300·1	+1·3	..	69	— 91
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	296·2	298·9	..	289·9	288·1	..	293·0	−1·3	..	86	+ 19
634	Las Palmas, Canary Islands	28 7	W15 26	7	1018·0	1018·8	−0·4	300·0	303·2	5th	292·3	290·0	16th, 18th	296·2	+0·7	..	22	— 1
637	Insalah	27 17	E 2 27	330	981·3	1018·9	+1·4	309·0	317·0	7th	291·7	282·0	31st	300·4	+0·3	*300·0*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1018·3	+0·9	306·5	311	8th	289·6	284	26th, 28th	298·0	−0·3	*298·2*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1012·4	−0·5	309·1	315	7th	293·9	288	29th	301·5	+0·1	*301·6*	..	..
643	Suez	29 57	32 32	3·4	..	1016·3	+1·3	303·8	311	8th	292·6	289	22nd	298·2	+0·4	..	0	— 1
644	Aswan	24 2	32 53	99·6	..	1014·2	+1·7	309·0	315	10th	294·2	288	23rd	301·6	−0·4	*302·1*	..	..
647	Bushire	28 59	50 53	4	1012·7	1013·3	0·0	303·5	307·9	19th	294·1	291·1	27th	298·8	−0·6	..	0	— 2
648	Jask	25 44	57 47	4	1012·0	1012·5	−0·1	305·7	312·6	2nd	296·4	292·1	28th	301·1	−0·3	..	0	— 1
649	Kurrachee	24 53	66 57	4	1011·8	1012·4	+0·4	302·7	306·1	31st	296·0	293·0	18, 27, 30	299·3	+0·2	*298·6*	0	0
650	Hyderabad, Sind	25 24	68 18	29	1007·8	1011·2	0·0	309·6	314·1	1st	294·3	291·6	29th	301·9	+0·1	..	0	0
651	Jaipur	26 56	75 52	436	963·4	1012·0	−0·2	308·0	309·8	4 dates	291·9	288·1	19th	299·9	+0·8	*299·2*	6	— 1
652	Nagpur	21 8	79 5	310	977·3	1012·3	+0·8	305·8	307·2	4 dates	293·4	289·6	23rd, 26th	299·7	..	*299·2*	35	— 13
653	Allahabad	25 25	81 51	91	1000·7	1011·5	+0·1	304·6	306·7	1st	294·4	291·1	26, 30, 31	299·6	+0·4	*298·8*	144	+ 79
654	Calcutta	22 36	88 23	6	1011·0	1011·7	+0·7	304·1	305·7	4, 16, 17	296·8	293·0	31st	300·4	+0·5	*300·1*	88	— 12
655	Gauhati	26 8	91 41	59	1006·4	1013·2	..	302·3	306·2	3rd	294·2	290·3	29th	298·2	..	..	94	+ 31
655a	Cherrapunji	25 15	91 42	1313	870·9	..	..	294·2	297·8	3rd, 4th	288·0	284·7	18th, 26th	291·1	..	..	1314	+943
656	Shillong	25 33	91 48	1500	851·6	..	..	294·6	297·4	4th	285·8	281·2	18th, 29th	290·2	..	..	162	— 8
656a	Akyab	20 11	92 56	6	1011·8	1012·5	+1·4	302·8	304·6	19th	296·7	293·8	27th	299·8	−1·2	*299·4*	209	— 42
657	Phu Lien	20 48	106 37	115·6	1001·7	1015·1	+2·0	302·0	309·6	1st	294·6	290·9	14th	298·3	−0·3	297·5	136	— 13
658	Moncay	21 31	107 51	10	1014·3	1015·4	+2·0	301·6	309·4	1st	293·4	288·5	18th	297·5	−0·6	*296·8*	314	+152
659																		
660	Hong Kong	22 18	114 10	33·2	1011·5	1015·2	+1·7	298·7	302·7	1st	294·6	289·4	14th	296·6	−1·1	296·5	144	+ 29
661	Taihoku, Formosa	25 2	121 31	9·3	1015·8	1016·9	+2·5	299·2	306·7	3rd	290·8	284·1	17th	295·0	−1·9	294·4	75	— 28
662	Naha	26 13	127 41	10·5	1014·2	1015·4	+1·6	299·6	304·0	3rd	293·1	288·2	25th	296·4	−0·8	296·1	65	— 80
		N.	E.															

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.					a.	a.	a	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 14	100 7	1933	..	..	..	..	297·0	..	..	282·8	..	..	..	*289·4*	87	..
717	Salina Cruz	16 12	95 16	56·3	1005·8	1012·3	..	..	305·5	..	..	294·6	..	299·9	..	..	51	..
718	Mexico	19 26	99 8	2280	780·3	..	+0·3	294·1	296·4	10th	284·1	282·0	24th	289·1	+0·7	288·0	67	+ 27
718a	Oaxaca	17 4	96 44	1563	..	..	..	..	..	..	..	..	..	..	..	..	..	..
719	Belize	17 29	88 12	2·1	1012·9	1013·1	+0·5	304·7	308·0	30th	299·0	296·3	27th	301·8	+1·4	*300·7*	69	—275
720	San Salvador	13 44	89 9	657	938·2	1011·5	+1·0	304·1	306·9	25th	291·8	289·6	27th	298·0	−1·6	..	57	—209
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1011·6	+1·1	304·1	305·4	2nd	295·4	294·0	2nd	299·8	+0·2	*299·1*	167	— 45
722	Port au Prince	18 34	72 22	37·4	1008·7	1013·0	+3·4	304·2	306·6	..	295·0	293·3	..	299·6	+0·1	299·4	353	+185
723	St. Croix (Christiansted)	17 45	64 42	6·6	1010·4	1011·3	..	303·8	306·0	..	298·0	296·7	..	300·9	..	..	129	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	994·0	1011·7	+0·6	303·3	305·2	sev. dates	298·9	295·8	19th	301·1	+1·4	*300·5*	80	—102
725	Barbados	13 8	59 36	55·2	..	1010·5	+0·6	302·5	303·7	..	297·8	293·8	..	300·2	+0·4	*300·0*	146	— 10
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1015·1	1016·4	+3·3	300·4	302·0	7th	296·4	294·0	9, 16, 18	298·4	−0·9	..	141	+ 91
732	San Tiago, C. Verde Is.	14 54	23 31	34	1014·1	1018·0	..	302·6	303·8	20th	297·8	296·2	22nd	300·2	+0·7	..	45	+ 8
733	Bathurst	13 24	16 36	1·5	1012·6	1012·8	+0·4	303·4	305·8	11th, 18th	297·4	294·1	15th	300·4	+0·2	*300·8*	31	— 71
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	308·1	309·7	24, 27, 31	293·7	289·7	1st	300·9	−0·1	..	31	— 17
735	Ségou	13 34	6 17	? 272	..	..	..	..	..	..	295·3	292·0	30th	..	..	..	13	..
736	Timbouctoo	16 43	W 2 52	250	981·7	1009·5	−0·5	315·0	317·0	..	294·6	290·0	..	304·8	0·0	*304·1*	1	..
737	Sokoto	13 2	E 5 14	354	..	..	..	306·0	308·0	24th, 27th	294·6	292·4	21st, 28th	300·3	−0·8	..	9	+ 6
738	Kontagora	10 24	5 24	400	..	..	..	305·8	308·6	27th	293·2	289·7	24th	299·5	+0·1	..	56	— 38
739	Maiduguri	11 48	13 12	370	..	..	..	309·3	312·4	26th	293·6	289·7	31st	301·5	−0·5	..	15	+ 4
740	Katagum	12 17	10 22	329	..	..	..	310·2	311·9	5, 16, 30	293·1	289·7	20, 25, 26	301·6	+0·6	..	21	+ 12
742																		
743	El Obeid	13 11	30 14	585	..	1012·6	+0·5	309·6	311·7	16th	293·4	287·9	30th	301·5	0·0	*301·2*	26	+ 3
744	Khartoum	15 37	32 33	390	..	1009·8	+1·1	312·2	315·0	9th	297·4	293·7	31st	304·8	+0·4	*305·1*	1	— 3
746	Aden	12 45	45 3	28·7	1009·8	1013·0	+0·6	304·6	306·9	6th	299·0	296·8	9th	301·8	−0·1	*300·9*	0	— 2
751	Bombay	18 54	72 49	11·3	1011·6	1012·9	+1·2	304·4	306·9	18th	298·6	296·1	29th	301·5	+0·7	*300·8*	0	— 47
752	Mysore	12 18	76 40	768	928·9	1012·6	+1·7	301·9	305·2	1st	291·7	288·0	28th, 29th	296·8	−0·4	296·8	140	— 39
752a	Kodaikanal	10 13	77 28	2343	772·0	..	+0·6	289·8	293·0	3rd	283·4	279·4	29th	286·6	−0·3	286·0	349	+ 71
753	Madras	13 4	80 14	6·7	1010·9	1011·7	+1·0	305·6	310·5	8th	297·1	292·2	27th, 28th	301·3	+0·5	300·7	150	—136
754	Waltair	17 45	83 16	68·9	1004·0	1011·8	+1·2	303·8	305·6	3rd	297·5	294·6	25th	300·7	..	*300·0*	56	—107
755	Port Blair	11 40	92 40	17·7	1010·2	1012·3	+1·5	302·5	304·2	16th, 31st	297·1	294·9	28th	299·8	−1·1	*299·1*	334	+ 57
756	Rangoon	16 46	95 48	5·5	1012·2	1012·8	+1·3	303·1	305·3	13th, 16th	297·6	296·0	27th	300·4	−0·2	*299·5*	277	+105
757	Saigon	10 46	106 42	11·2	1009·9	1011·2	+2·0	306·0	307·6	29th	295·2	293·5	7th	300·6	+0·2	..	223	— 15
758	Nhatrang	12 16	109 12	6·8	1011·4	1012·2	+2·6	304·0	306·9	6th	296·5	295·2	24th	300·3	+0·4	..	411	+ 95
759	Bolinao	16 24	119 53	7·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
760	Vigan	17 34	120 23	14·7	..	1011·1	+2·2	304·9	307·7	18th	295·3	293·5	27th	300·1	−0·4	299·9	54	—131
761	Manila	14 35	120 59	14·2	..	1011·5	+2·3	305·2	306·5	14th	295·1	292·9	22nd	300·2	−0·7	299·1	10	—179
762	Ormoc	11 0	124 36	5·6	..	1010·6	+1·8	303·7	305·1	6, 26, 28	294·5	292·4	24th, 26th	299·1	−0·4	298·6	143	—115
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·3	304·4	13th	297·1	295·8	20th	299·7	..	..	452	..
		N.	E.															

Between Latitude 10° N. and 0°.

OCTOBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.					a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	1012·3	1012·7	+0·3	302·8	304·4	16th	298·1	296·1	7th	300·5	−0·1	*299·6*	205	+118
819	Culebra	9 10	79 40	123·1	..	1010·3	−0·3	303·0	306·3	16th	295·2	293·6	26th	299·1	0·0	..	433	+139
822																		
823	El Peru, Guayanavieja	7 30	62 0	? 300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1012·8	1013·0	+1·7	304·1	304·7	15, 20, 28	297·1	295·8	6, 7, 22	300·6	+0·1	..	102	— 21
826	Paramaribo	5 49	55 9	4	1011·9	1012·4	..	305·0	307·0	2nd	295·8	293·8	22nd	300·4	..	299·4	72	+ 1
826a	Cayenne	4 56	52 21	6	..	..	..	304·8	306·4	2nd, 3rd	296·4	294·8	20th	300·6	−0·9	..	61	+ 31
833	Conakry	9 31	13 43	16	1011·4	1013·2	+0·7	303·7	307·3	..	294·9	293·0	..	299·3	+0·1	..	338	—100
834	Sierra Leone	8 30	13 9	68·3	1003·1	1011·0	−0·6	304·3	305·9	26th	294·6	293·0	31st	299·5	−0·3	..	362	+ 14
835	Cape Coast Castle	5 5	1 13	..	..	..	..	299·3	304·7	14th	294·3	289·7	8th	296·8	−2·4	..	32	— 17
836	Accra	5 35	W 0 6	18	..	..	..	303·0	304·7	8th	295·1	289·7	11th, 24th	299·1	+0·4	..	4	— 43
837	Lagos	6 22	E 3 28	7·6	1012·0	1012·9	+1·3	302·6	304·8	..	296·1	293·6	..	299·3	+0·1	..	203	— 2
838	Zungeru	9 48	6 10	130	997·7	1012·6	+1·1	305·3	308·0	26th, 31st	294·1	291·9	24th	299·7	−0·1	..	95	+ 3
838a	Libreville	0 23	9 26	35	..	..	..	302·7	303·7	30th	295·6	294·3	6th	299·2	+0·5	..	62	—326
839	Yola	9 12	12 30	259	..	..	..	305·8	309·1	28th, 29th	295·0	293·6	1, 13, 24	300·4	+0·1	..	73	— 9
841	Kafia Kingi	9 22	24 18	596	946·5	1012·9	..	..	..	..	..	..	..	295·1	..	..	32	..
842	Wau	7 42	28 3	440	..	1011·2	..	306·6	310	23rd	292·0	291	28th	299·3	..	..	142	+ 36
843	Entebbe	0 5	32 29	1177	883·3	..	+0·7	300·3	301·9	12th, 13th	289·6	288·5	5th	294·9	+0·3	*294·3*	53	— 34
844	Nandi	0 2	35 5	2010	..	..	..	298·2	299·7	27th	282·7	281·9	30th	290·4	−0·4	..	57	— 49
851	Cothin	10 0	76 21	2·7	1012·2	1012·5	+1·0	303·2	304·5	10, 11, 26	296·7	295·1	22nd	300·0	+0·1	*299·3*	326	— 5
852	Colombo Observatory	6 54	79 53	7·3	1010·1	1010·9	+1·5	303·7	305·7	29th	296·1	294·4	27th	299·9	−0·3	*299·2*	380	—108
853	Candy	7 18	80 40	504·5	..	..	..	301·2	303·0	9th	293·1	291·1	30th	297·2	+0·2	..	307	+ 3
855	Medan	3 35	98 41	23·5	..	1011·0	+0·6	303·6	305·9	8th	294·1	293·2	15th	298·9	..	..	292	+ 32
856																		
857	Penang	5 34	100 20	5·0	1009·3	1009·9	0·0	303·6	305·2	1st	296·3	295·2	2nd	299·9	−0·2	..	310	—143
858	Singapore	1 17	103 51	3·0	1011·0	1011·3	+1·9	304·3	306·6	1st	296·3	295·2	3rd	300·3	+0·4	..	230	+ 38
860	Sandakan	5 49	118 12	..	..	..	..	304·1	305·2	26th	296·6	296·3	many dates	300·3	−0·1	..	225	+ 29
861	Tagbilaran	9 38	123 51	21·8	..	1010·2	+1·8	..	..	..	..	..	..	..	..	..	255	— 26
862	Surigao	9 48	125 29	6	..	..	..	303·1	306·1	2nd	296·2	295·1	26th	299·7	..	..	256	+ 18
863	Yap	9 29	138 8	31·9	..	..	..	304·3	306·2	2nd	297·5	?296·6	18th, 19th	300·9	..	..	297	..
869	Uyelang	9 42	161 2	< 10	1008·7	1009·8	−0·5	..	..	..	..	..	..	..	..	..	232	— 39
		N.	E.															

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 9. Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1010·2	1011·2	+1·3	305·9	306·9	15, 19, 26	297·0	295·8	27th, 29th	301·4	+0·2	..	32	+ 14
906																		
923	Manaos	3 8	59 59	32·4	1003·0	1006·6	−0·6	..	..	..	..	..	..	302·2	−0·2	..	59	− 21
930	Fernando Noronha	3 51	W32 25	95	..	1013·8	+2·3	300·1	300·9	..	296·4	295·3	..	298·2	..	..	9	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	..	..	..	..	..	..	..	..	..	..
940	Loango	4 38	11 50	? 50	..	..	..	301·9	303·0	27th, 29th	295·8	294·8	3rd	298·9	..	..	156	..
943	Daressalam	6 49	39 18	7·6	1014·5	1015·3	+0·4	300·9	302·6	28th	293·2	289·7	3rd	297·1	−0·7	297·3	25	− 1
944	Nairobi	1 18	36 59	1660	..	..	..	297·9	299·3	23rd	283·8	280·5	18th	290·9	−0·9	..	9	− 50
944a	Zanzibar	6 10	39 11	21·9	1015·3	1017·8	+1·5	301·2	302·9	21st, 28th	296·2	294·9	2nd	298·7	−0·6	*297·9*	73	− 20
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	302·1	305·2	11th	296·5	294·1	21st	299·3	..	..	13	− 33
947	Seychelles	4 37	55 27	4·6	1013·3	1013·7	+1·5	301·1	302·1	..	297·7	295·4	..	299·4	+0·2	..	178	+ 54
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1011·7	+0·7	..	..	..	..	..	..	..	..	..	688	+167
957	Batavia	6 11	106 50	8	..	1011·6	+1·4	303·6	304·7	17th, 31st	296·3	295·1	6th	300·0	−0·1	299·4	137	+ 26
958	Pontianak	0 1	109 20	2·6	..	1012·4	+2·6	..	..	..	..	..	..	..	..	..	373	+ 15
959	Passeroean	7 38	112 55	5·0	..	1011·4	+1·1	304·8	306·0	..	296·1	295·0	..	300·5	..	..	0	− 10
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	16	− 25
961	Koepang	10 10	123 34	3·3	..	1011·6	+1·6	..	..	..	..	..	..	..	..	..	4	− 11
962	Ambon	3 42	128 10	4·2	..	1011·5	+1·8	..	..	..	..	..	..	..	..	..	8	−154
965	Daru	9 4	143 13	8	1013·4	1014·3	+3·0	303·3	..	..	296·9	..	..	300·1	+0·4	..	6	− 47
966	Port Moresby	9 29	147 9	39	1009·1	1013·5	+2·0	302·5	..	..	296·3	..	..	299·4	−0·4	..	11	− 17
967	Rakuranga	4 13	152 8	ca.120	..	..	..	..	..	..	..	..	..	..	..	..	77	..
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	329	−158
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1008·7	1008·9	−0·8	304·1	306·3	20th, 31st	297·3	295·8	31st	300·7	+0·5	..	191	− 24
970	Ocean Island	0 52	169 36	48·5	1005·8	1008·1	−0·6	303·4	305·2	20th	296·7	295·2	15th	300·1	−0·8	..	66	− 91
		S.	E.															

OCTOBER—ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1011·9	1016·2	−0·4	301·7	305·2	30th	291·7	288·0	16th	296·7	−0·8	..	40	− 38
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	1007·0	1012·4	−0·4	303·3	304·5	..	296·2	292·3	..	299·8	..	..	109	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	292·4	295·3	9th	286·4	283·2	12th	289·4	−0·9	*290·1*	0	..
1022	Arequipa	16 22	71 33	2451	761·2	..	+0·7	293·7	295·8	14, 16, 17	282·6	278·6	30th	288·2	+1·4	..	2	+ 1
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	291	0	..	19	− 19
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	301·4	+2·6	..	151	− 1
1026	Cuyaba	15 36	56 0	235	991·8	1018·6	+1·2	303·4	308·0	..	297·3	293·4	..	300·4	−0·2	..	56	− 57
1035	St. Helena	15 57	W 5 40	632	947·1	1020·6	+0·3	291·1	296·4	31st	284·9	284·1	1st	288·0	+0·5	*287·6*	37	− 15
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	960·2	..	+0·2	302·6	307·9	..	287·1	283·6	..	294·9	+0·7	..	14	− 10
1043	Salisbury, Rhodesia	17 49	31 3	1487	..	..	..	301·9	305·6	..	286·9	282·8	..	294·4	+0·2	..	6	− 20
1044	Zomba	15 23	35 18	899	908·0	1007·4	+2·8	302·3	305·7	30th	290·2	288·6	8, 9, 13	296·3	+0·2	*294·9*	43	− 0
1045	Tamatave	18 9	49 26	4	1019·7	1020·1	+3·5	..	..	..	294·5	292·0	..	296·8	−0·5	..	55	− 79
1046	Tananarivo	18 55	47 32	1400	867·7	..	+1·8	299·8	304·5	27th	284·9	280·0	1st	292·4	−0·1	291·4	16	− 56
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1014·6	+0·3	301·6	302·4	24th, 26th	297·6	294·4	11th	299·6	+0·1	..	46	−108
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1010·0	1010·6	+0·4	303·6	304·9	..	295·9	292·6	..	299·7	−0·4	..	18	− 72
1058																		
1061	Derby	17 18	123 40	16·2	..	1012·8	+2·0	308·7	314·8	30th	295·3	290·1	3rd	302·0	−0·1	..	0	0
1062	Hall's Creek	18 13	127 46	373·4	..	1012·5	+1·7	309·0	313·7	23rd	292·7	287·6	2nd	300·9	−0·6	..	31	+ 17
1063	Port Darwin	12 28	130 51	29·6	..	1011·9	+2·0	306·8	309·4	26th	297·6	295·0	31st	302·2	−0·6	*301·2*	72	+ 18
1064	Daly Waters	16 16	133 23	213	..	1011·3	..	310·1	313·6	24th, 25th	294·1	288·0	20th, 21st	302·1	−0·9	*301·6*	6	− 16
1065	Mein	13 13	142 57	121·9	..	1011·3	..	307·0	310·6	18th	292·8	288·1	16th	299·9	..	..	0	− 15
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1012·0	..	308·7	313·0	25th	293·6	289·9	13th	301·2	..	..	2	− 64
1067	Samarai	10 37	150 40	6·4	1011·0	1011·8	+0·5	301·1	..	..	..	..	..	..	..	..	87	..
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	302·0	305·0	18th	289·3	285·4	6th	295·7	..	..	252	..
1071																		
1072	Suva, Fiji	18 8	178 26	14·8	..	1014·0	−0·6	299·4	301·3	18th, 19th	294·2	290·8	4th	296·8	−0·6	..	96	−101
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 11. Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	298·2	300·8	9th	292·3	287·4	24th	295·3	..	..	89	− 8
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1014·8	1018·3	..	294·7	297·0	10th, 31st	287·1	283·7	24th	290·9	..	288·7	121	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1013·4	1016·4	−0·3	289·1	290·7	18th	283·6	281·0	23rd	286·4	−0·3	*285·9*	0	0
1122	Puerto de Antofagasta	23 39	70 25	10	1013·8	1015·0	−0·1	297·5	297·7	30th	285·4	285·1	8th	291·5	+1·2	*290·1*	0	0
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	..	294·3	+1·4	*292·9*	12	−101
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	75	+ 11
1127	Curityba	25 26	49 16	908	914·8	1018·3	+1·7	294·0	303·1	..	283·7	279·5	..	288·9	−1·3	*288·3*	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1007·7	1015·3	+0·8	..	..	..	..	..	..	294·3	−0·9	..	130	+ 52
1139	Windhuk	22 34	E17 5	1665·3	834·9	..	..	302·2	305·3	16th	288·1	282·4	2nd, 3rd	295·2	+1·1	295·7	13	+ 4
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	296·7	303·4	20th	283·8	279·0	8th	290·2	+1·1	*289·9*	44	− 21
1142	Kimberley	28 43	28 46	?1232	882·9	..	+0·7	302·1	..	..	285·2	..	..	293·7	+1·6	293·4	..	..
1142a	Pretoria	25 45	28 11	1338	..	..	..	303·5	309·2	18th	286·0	276·8	1st	294·7	+2·0	..	47	− 17
1143	Durban	29 51	31 0	79·9	..	..	..	298·9	310·1	..	290·7	286·3	..	294·8	+1·0	..	389	+278
1144	Lorenzo Marques	25 58	32 36	59	..	1017·6	+1·4	301·1	314·0	18th	291·4	286·6	9th	296·2	+0·3	295·6	37	− 28
1147	Mauritius	20 6	57 33	54·3	1012·8	1019·3	+1·1	299·7	302·1	31st	290·1	286·2	6th	294·9	−0·6	294·6	8	− 24
1148																		
1159	Onslow	21 43	114 57	4·3	..	1012·5	−0·3	304·7	308·6	18th	287·8	283·6	24th	296·3	−0·4	..	0	0
1160	Peak Hill	25 38	118 47	588·3	..	1011·5	−1·0	303·9	308·6	27th	289·2	281·3	30th, 31st	296·6	+1·7	..	1	− 2
1161	Nullagine	21 53	120 5	385·6	..	1012·3	+0·7	308·0	311·6	23rd	291·8	284·8	1st	299·9	+1·3	..	0	0
1162	Laverton	28 40	122 23	466·3	..	1015·9	+1·3	300·8	311·6	28th	286·2	279·1	30th	293·6	+1·1	..	0	− 8
1163	Alice Springs	23 38	133 37	587·0	..	1013·4	+1·5	304·2	312·6	23rd	289·0	283·3	20th	296·6	+0·3	*296·6*	3	− 16
1164	William Creek	28 55	136 21	76·2	..	1017·0	..	301·3	314·4	22nd	286·7	280·5	18th	294·0	..	*293·8*	3	− 6
1165	Boulia	22 55	139 38	145·7	..	1012·6	..	307·3	314·8	14th	291·3	283·6	1st	299·3	..	..	2	− 13
1166	Mitchell	26 32	147 52	337·1	..	1014·2	..	302·4	307·4	23rd	284·9	279·1	10th	293·7	..	..	50	+ 10
1167	Rockhampton	23 24	150 30	11·3	..	1015·8	..	303·7	308·3	13th	290·7	288·0	20th	297·2	..	..	10	− 29
1168	Brisbane	27 28	153 2	41·7	..	1016·7	+1·0	298·8	304·7	11th	288·4	284·9	26th	293·6	−0·4	..	125	+ 57
1169	Noumea	22 16	166 27	9	1013·0	1014·1	..	299·1	302·2	25th	291·2	288·6	6th	295·2	0·0	..	35	− 21
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	97	+ 10
		S.	E.															

Between Latitude 30° S. and 40° S. OCTOBER—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1020·2	1021·4	−0·3	289·4	294·0	26th	..	..	..	286·5	−0·2	..	39	− 3
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1012·0	1016·8	−0·2	291·0	295·7	18th	283·1	279·7	2nd	287·1	−1·3	*285·8*	0	− 10
1222	Santiago	33 27	70 42	520	955·5	1016·3	−0·4	295·4	302·7	20th	278·8	273·0	4th	287·1	−0·4	286·4	0	− 14
1223	Cordoba	31 25	64 12	439	966·4	1017·3	+1·7	..	..	..	..	..	..	291·2	+1·3	..	154	+ 91
1224	Buenos Ayres	34 16	64 11	25·2	1016·1	1019·1	+3·0	..	..	..	..	..	..	287·3	−2·1	..	177	+ 85
1225																		
1226	Montevideo	34 52	W56 12	29·3	1016·0	1019·5	+2·8	290·5	305·0	26th	281·4	272·0	12th	285·9	−1·9	286·5	91	+ 28
1239	Cape Town	33 56	E18 29	9	..	1016·4	−1·0	294·8	302·0	3rd	286·1	281·6	9th	290·4	+1·3	*291·0*	25	− 17
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	29	..
1241	Heidelberg	34 5	20 58	1541	852·7	..	+3·0	300·0	306·6	19th	283·7	279·2	26th	291·8	+0·9	..	67	+ 31
1242	East London	33 2	27 55	10·1	1016·2	1017·4	+0·4	294·4	299·7	30th, 31st	288·3	283·0	2nd	291·3	+0·8	..	72	+ 14
1259	Perth (Observatory)	31 57	115 51	60·0	..	1019·0	+2·1	295·7	302·8	27th	284·0	279·6	1st, 30th	289·9	+0·9	..	26	− 27
1260	Katanning	33 42	117 35	309·7	..	1018·0	+2·6	295·3	303·9	27th	280·0	273·6	2nd	287·7	+0·9	..	63	+ 21
1261	Coolgardie	30 57	121 10	423·3	..	1017·7	+2·9	298·4	311·7	28th	282·9	275·8	30th	290·7	+0·2	..	6	− 12
1262	Eucla	31 45	128 58	4·6	..	1018·9	+3·8	294·9	313·8	28th	284·7	276·9	22nd	289·8	−0·3	..	19	+ 2
1263	Streaky Bay	32 48	134 13	13·1	..	1019·2	+4·3	294·6	306·4	28th	284·1	278·0	17th	289·3	−0·8	..	24	+ 1
1264	Adelaide	34 56	138 35	42·7	..	1019·0	+3·3	294·7	308·4	29th	283·3	278·8	26th	289·0	−0·6	*288·7*	14	− 32
1265	Melbourne	37 49	144 57	35·1	..	1017·7	+3·0	291·9	302·9	30th	281·9	275·1	19th	286·9	−0·2	*286·7*	65	− 3
1266	Bourke	30 13	145 58	110·1	..	1017·2	+0·9	301·7	310·5	30th	285·6	279·1	2nd	293·7	−0·9	..	4	− 23
1267	Sydney	33 51	151 13	44·5	..	1016·8	+2·1	294·5	304·4	23rd	286·2	282·5	18th	290·4	−0·1	..	18	− 54
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	131	− 12
1271	Auckland	36 50	174 50	38·1	..	..	..	289·8	292·4	26th	283·1	278·8	1st	286·4	−0·6	..	119	+ 30
1272																		
		S.	E.															

Between Latitude 40° S. and 50° S. OCTOBER—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301																		
1302	Chatham Island	43 52	176 42	58	..	..	..	286·6	290·2	25th	280·3	274·7	3rd	283·4	+0·2	..	77	+ 34
1321																		
1322	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	280·2	278·4	18th, 20th	283·2	+0·3	*282·3*	67	− 59
1323	Punta Galera	40 1	73 44	40	1013·1	1018·0	−0·5	287·0	292·0	5th	281·6	279·6	19th	284·3	+1·0	*283·1*	96	− 23
1324	Bahia Blanca	38 45	W62 12	20	1015·7	1018·1	+4·8	..	..	..	..	..	..	288·6	−1·0	..	26	− 29
1365	Hobart	42 53	E147 22	48·8	..	1012·5	+2·2	290·2	301·2	30th	280·9	276·2	13th	285·6	+0·3	*284·8*	62	+ 6
1369	Launceston	41 27	147 10	9·4	..	1013·5	..	290·3	299·8	30th	279·2	272·9	14th	284·7	−0·4	..	25	− 43
1370	Dunedin	45 52	170 31	90	..	1010·1	+1·6	288·1	294·1	twice	278·6	273·6	15th	283·3	−0·1	..	59	− 15
1371	Christchurch	43 32	172 38	7·6	..	1009·5	−0·8	289·6	295·7	25th	278·4	272·1	15th	284·0	−0·7	..	25	− 20
1372	Wellington	41 16	174 46	33·5	..	1012·1	+0·4	288·2	291·2	7th	281·9	277·0	15th	285·1	−0·2	..	50	− 58
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

OCTOBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm
1421	Islota de los Evangelistas	52 24	75 6	55	1004·4	1011·2	+11·1	286·8	287·8	15th, 16th	274·6	273·0	1st	280·7	+1·9	*278·0*	152	—103
1422	Puerto de Punta Arenas	53 10	70 54	4	1007·5	1008·0	+ 8·7	283·9	291·5	15th	..	..	..	?279·9	+0·3	279·7	7	— 17
1423	Punta Dungeness	52 24	68 25	5	1006·6	1007·2	+ 4·6	282·9	291·2	15th	..	..	..	279·4	+0·7	*279·0*	0	— 10
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1005·6	+0·6	280·5	284·1	30th, 31st	274·8	272·4	9, 20, 29	277·7	—0·7	277·9	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	997·5	998·0	— 2·1	278·9	289·2	16th, 17th	271·5	263·7	2nd	275·2	0·0	*274·9*	62	— 19
1430		S.	W.															

OCTOBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	987·8	998·7	+ 5·2	272·6	281·2	..	265·7	249·0	..	269·2	+0·3	269·5	24	— 10
1528																		

OCTOBER—ZONE 16. Between Latitude 70° S. and 80° S.

1605	Framheim	S. 78 38	W. 163 37	11·1	968·8	970·3	..	..	264·0	28th	..	232·8	8th	249·3	..	..	..	..
1669		S.	E.															
1670	Cape Evans(McMurdo Sound)	77 38	166 24	18	..	976·1	— 5·8	..	262·7	..	..	242·3	..	..	—0·7	253·3	..	..
1671	Cape Adare	71 18	170 9	..	..	973·9	..	..	269·7	..	..	239 7	..	..	..	255·6	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—OCTOBER 1911.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction and Force.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.
1	SE by S	7·5	SE 4	NE 4	W 2	W 3	SE 2	SE 5	SE 1	SW 1	SW 1	Calm 0
2	SE	5·4	NE 3	NE 4	SE 2	W 3	SE 2	SE 3	SE 2	SW 2	SW 1	E 2
3	SE by S	5·1	NE 4	SE 3	NE 2	W 3	SE 4	SE 3	SE 2	SW 3	SW 5	E 1
4	SE	7·8	SE 4	SE 3	Calm 0	W 2	SE 3	SE 2	SE 2	SW 3	SW 5	Calm 0
5	SE by S	9·7	SE 4	SE 2	N 3	W 2	NE 2	SE 2	SE 3	SW 1	SW 1	S 2
6	SE	9·0	E 2	Calm 0	W 2	W 3	SE 3	SE 3	SE 3	SW 1	SW 3	SW 3
7	SE by E	5·2	SW 2	Calm 0	Calm 0	W 2	SE 3	SE 3	SE 4	SW 1	S 1	S 3
8	SE by S	3·4	SE 2	E 2	Calm 0	W 2	SE 4	SE 4	Calm 0	SW 1	SW 1	SW 4
9	SE by S	4·5	SE 4	SE 3	NW 2	W 2	SE 2	SE 5	SE 2	SW 1	SW 2	S 5
10	SE by S	7·4	E 2	Calm 0	Calm 0	W 3	SE 1	NE 3	SE 4	W 4	W 2	SE 4
11	SSE	10·0	SE 2	E 2	W 2	W 2	NE 2	NE 4	SE 4	W 2	W 2	E 1
12	SE by S	8·9	E 2	E 2	NE 3	W 2	NE 2	SE 3	SE 3	SW 2	SW 5	NE 3
13	SE	7·7	SE 2	E 2	N 2	W 2	SE 2	SE 3	SE 3	SW 4	SW 3	SE 1
14	SE by S	6·6	SE 4	SE 2	Calm 0	Calm 0	SE 3	SE 2	SE 2	SW 4	SW 3	NE 2
15	SSE	7·9	SE 2	SE 2	NE 2	W 3	NE 3	NE 3	SE 4	SW 1	SW 3	Calm 0
16	SSE	7·1	NE 3	Calm 0	W 2	W 3	NE 2	NE 3	SE 5	SW 6	SW 5	SE 3
17	SE by S	12·9	SE 2	N 4	NW 3	W 2	NE 1	NE 2	SE 3	SW 1	SW 2	NE 3
18	SE by S	12·0	S 4	SE 2	NW 2	W 2	NE 2	NE 2	SE 3	SW 2	SW 2	NW 4
19	SE	9·2	SE 4	SE 4	W 3	W 3	NE 2	E 3	SE 1	N 1	N 1	NE 3
20	SE	8·9	E 4	E 4	NW 2	W 2	NE 5	NE 2	SE 1	N 1	N 1	E 2
21	SSE	7·8	SE 4	E 4	NW 2	W 2	NE 2	SE 4	SE 2	NE 1	SW 3	NE 3
22	SE	6·8	SE 2	E 4	NE 2	W 2	E 3	SE 5	Calm 0	SW 1	SW 2	E 5
23	SE	6·6	E 2	NE 3	Calm 0	W 3	E 3	SE 4	SE 2	SE 1	W 4	E 3
24	SE	7·0	SE 4	E 2	NW 3	Calm 0	E 4	SE 3	SE 1	W 2	SW 2	NE 3
25	SE	7·7	SE 2	NW 4	Calm 0	NW 2	E 2	SE 2	SE 1	SW 1	SW 2	NE 5
26	SE by S	8·7	SW 2	Calm 0	NW 2	W 3	E 3	SE 3	Calm 0	NW 4	SW 2	NE 1
27	SE	7·0	Calm 0	Calm 0	W 2	W 2	E 4	SE 2	Calm 0	SW 8	SW 3	N 4
28	SE by S	9·0	SE 2	Calm 0	Calm 0	W 3	E 2	NE 2	Calm 0	SW 3	SW 2	NE 3
29	SE by S	8·9	W 2	Calm 0	NW 2	W 3	NE 2	NE 1	SE 1	SW 4	SW 5	SE 3
30	SE by S	6·7	SW 2	SW 2	NW 2	E 2	NE 3	NE 2	SE 2	SW 1	SW 2	E 3
31	SE by S	4·2	SE 4	SW 2	E 2	E 2	NE 2	NE 2	SE 1	W 1	W 3	NE 3
Mean for Month	..	7·6		2·8		1·6		2·6		2·0	2·2	2·6
Deviation from Normal	..	—1·1	..	..	..	..	..	—0·2	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—OCTOBER 1911.

**Spitsbergen.*—" Green Harbour and Advent Bay froze up on the 27th. The coasts of Iceland were ice-free during the month."

**Denmark Strait.*—" At Angmagsalik the sea was ice-free except for some brash and calf ice which appeared now and again."

North Atlantic and Labrador.—" On the Newfoundland Banks some icebergs were observed. There were a few icebergs off Belle Isle Strait, but the Strait itself was ice-free."

**Davis Strait.*—" A few icebergs were met in the Davis Strait between Cape Farewell and Arsuk, otherwise the sea was ice-free from Cape Farewell along the whole west coast of Greenland. **Beaufort Sea* and *Behring Sea* were ice-free as far as Wrangel I."

* *Isforholdene i de arktiske Have, 1911*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, NOVEMBER 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF NOVEMBER 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. NOVEMBER—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1002·8	1003·7	..	..	..	..	..	..	..	252·4	..	*252·4*	1	..
124																		
125	Upernivik	72 47	W56 7	18·9	999·8	1002·3	— 6·2	268·0	283·9	15th	261·1	249·0	30th	264·6	+1·7	*264·3*	3	—21
126																		
139	Spitsbergen	78 2	E 14 14	11·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1001·5	1002·1	— 2·7	..	279·2	28th	270·9	266·8	1st	..	+2·0	*273·4*	84	+13
142	Mehavn	71 1	27 47	6·4	1002·3	1002·8	..	..	279·3	28th	270·4	261·4	15th	..	..	*273·3*	114	+33
143	Vardö	70 22	31 8	10·0	1002·2	1003·0	— 3·0	..	277·8	26th	270·9	265·3	24th	..	+2·3	*273·0*	74	+14
144		N.	E.															

Between Latitude 70° N. and 60° N. NOVEMBER—ZONE 2.

209	Dawson	64 4	139 20	321	977·2	1020·0	+ 4·8	256·1	271·9	3rd	249·7	236·3	15th	252·9	—1·9	..	27	— 3
210	Carcross	60 11	134 34	662	..	..	..	267·1	285·2	3rd	259·2	269·7	13th	263·1	..	..	33	..
211																		
212	Fort Simpson	61 52	120 43	129	1000·7	1018·1	..	260·8	273·8	..	253·7	240·8	..	257·2	..	*257·3*	10	..
213	Hay River	60 51	115 20	161	994·3	1015·4	..	264·1	279·1	2nd	256·2	243·4	17th	260·1	..	..	18	..
214																		
225	Jacobshavn	69 13	51 2	12·6	996·3	997·9	— 8·8	268·8	279·7	15th	263·0	254·5	30th	265·9	+2·0	*266·0*	19	+ 2
226	Godthaab	64 11	51 44	9	991·5	992·7	—11·0	272·1	281·7	20th	267·4	258·5	29th	269·8	+1·6	*269·2*	23	—28
229	Angmagsalik	65 37	37 34	31·7	994·3	998·3	— 3·0	272·6	277·6	13th	266·9	260·8	8th	269·8	..	..	129	..
230																		
231	Stykkisholm	66 5	22 46	11·3	998·6	1000·1	— 3·3	276·1	281·3	26th	272·0	266·9	20th	274·1	+0·7	*274·4*	47	—11
232	Vestmanno	63 26	20 15	7·7	997·5	998·4	— 1·1	278·0	281·6	26th	273·6	268·4	17th	275·8	+0·1	*275·9*	116	— 6
233	Grimsey (Akureyri)	66 33	17 58	6·8	1001·6	1002·5	— 2·6	275·4	279·5	28th	270·4	267·2	8th	272·9	+0·2	*273·4*	3	—41
234	Berufjord	64 40	14 19	18	998·6	1000·9	— 3·1	276·5	280·4	26th	271·4	267·0	8th	274·0	+0·6	*274·2*	106	—11
235	Thorshavn	62 3	W 6 45	25·7	997·8	1001·0	— 4·8	280·2	286·0	4th	274·7	268·3	17th	277·5	—0·1	..	89	—86
236																		
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	997·4	1002·8	— 6·3	..	283·5	13th	274·2	268·9	27th	..	0·0	*276·6*	196	—10
238	Christiansund	63 7	7 45	17·8	1000·0	1001·2	— 6·1	..	281·4	4th	273·7	268·9	21st	..	—0·1	*276·3*	117	+ 6
239	Trondhjem	63 26	10 25	39·5	999·0	1003·3	— 5·2	..	281·8	4th	269·3	261·8	21st	..	—1·3	*272·1*	38	—70
240	Bodö	67 17	14 24	20·5	998·8	1001·1	— 5·1	..	279·0	27th	270·8	262·0	23rd	..	—0·4	*273·2*	52	—74
241	Haparanda	65 50	24 9	9·2	1002·4	1003·6	— 6·5	271·5	276·5	5th	266·5	256·0	23rd	269·0	+1·0	*269·5*	88	+41
242	Helsingfors	60 10	24 57	11·7	..	1007·4	— 5·4	..	281	..	..	263	..	276·3	+3·1	*276·2*	100	+40
242a	Kuopio	62 54	27 40	99·7	..	1007·0	— 5·9	..	279	..	..	263	..	273·8	+3·7	*273·7*	57	..
243	Kola	68 53	33 1	6·7	1003·4	1004·3	— 4·3	..	277·0	27th	267·3	259·9	24th	270·0	+3·8	*269·9*	33	+18
244	Petrozavodsk	61 47	34 23	38·9	1004·0	1008·8	— 4·8	..	280·9	18th	..	..	..	274·6	+4·8	*274·5*	..	..
245	Arkhangelsk	64 33	40 32	6·7	..	1006·2	— 5·0	..	276	..	..	264	..	272·3	+5·1	*272·2*	48	+23
246	Velsk	61 5	42 7	? 87	1000·7	1011·7	..	..	278·6	7th, 18th	271·1	265·1	26th	273·2	..	*273·1*	15	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1006·7	— 2·9	..	276	..	..	241	..	265·1	+2·3	*265·0*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	993·8	1009·6	..	..	275·7	21st	263·9	243·1	11th	267·4	..	*267·3*	54	..
249	Berezov	63 56	65 4	39·9	1004·0	1009·3	— 5·0	..	271·9	5th	253·7	239·8	27th	259·4	+1·7	*259·3*	39	+23
250	Obdorsk	66 31	66 35	24·2	1005·4	1008·6	— 2·8	..	269·5	3rd, 4th	251·3	235·9	27th	255·1	—2·3	*255·0*	19	+ 7
251	Sourgout	61 15	73 24	40	1004·3	1009·6	— 6·4	..	275·1	24th	253·2	228·7	28th	259·5	—0·5	*259·3*	55	+34
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	1005·2	1008·0	..	..	262·6	25th	241·0	230·5	28th	245·8	..	*245·8*	10	..
261	Olekminsk	60 22	120 26	? 202	1002·0	1029·5	— 3·2	..	271·8	11th	248·4	230·4	25th	253·6	+3·5	*253·5*	25	..
262	Iakoutsk	62 1	129 43	? 108	1008·0	1023·1	— 1·3	..	265·3	2nd	243·3	232·9	25th, 26th	248·1	+4·3	*248·0*	8	— 1
263	Verkhoïansk	67 33	133 24	? 100	1001·2	1015·4	— 1·3	..	261·8	1st	236·5	223·5	11th	242·0	+6·5	*242·0*	..	..
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	260·7	2nd	246·2	237·5	25th	249·3	..	*249·2*	1	..
271	Markovo sur Anadyr	64 45	170 50	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272	Novo-Mariinskii Post	64 45	177 33	? 3	..	..	..	..	..	..	..	..	..	..	..	..	3	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

NOVEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
307																		
308		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
309		N.	W.															
310	Prince Rupert	54 18	130 18	52	1003·7	1010·0	..	278·2	287·4	..	273·3	262·4	..	275·8	..	..	213	..
311	Barkerville	53 2	121 35	1274	..	1015·6	..	268·6	277·4	2nd	261·9	241·9	10th	265·2	−5·4	*265·2*	76	− 4
312	Kamloops	50 41	120 29	379	..	1019·1	+2·5	273·3	284·9	4th	266·3	251·9	11th	269·8	−4·9	*269·7*	51	+23
313	Calgary	51 2	114 2	1033	..	1018·1	+0·8	270·8	283·6	24th	260·3	243·6	10th	265·6	−3·8	*265·6*	16	− 3
314	Fort Chipewyan	58 42	111 10	218	986·6	1015·0	..	265·2	276·3	2nd, 29th	257·4	244·1	16th	261·3	..	*261·5*	..	..
315	Prince Albert	53 10	106 0	436	959·5	1015·3	+0·4	266·8	285·2	3rd	256·9	241·3	15th	261·8	−3·6	*261·4*	57	+33
316	Qu'Appelle	50 30	103 47	645	936·3	1017·4	+0·8	267·0	280·8	3rd	258·2	245·2	10th	262·6	−4·3	*261·9*	20	− 5
317	Minnedosa	50 15	99 50	515	951·8	1017·2	..	267·8	281·3	..	257·2	242·7	..	262·5	−4·5	*261·9*	21	− 5
318	Berens River	52 18	97 23	216	..	..	..	266·7	274·7	..	257·9	243·0	..	262·3	..	*261·7*	67	..
318a	Fort Churchill	58 51	94 11	9	1013·0	1014·2	..	..	..	..	..	..	..	..	..	..	..	..
319	Fort Hope	51 32	87 48	..	978·9	..	..	266·3	276·9	6th	258·1	244·1	28th	262·3	..	..	15	..
320	Moose Factory	51 16	80 56	9	1010·4	1011·4	..	268·9	277·4	6th	260·7	249·1	29th	264·8	..	..	74	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	1000·9	1001·4	−7·7	269·0	277·9	..	262·9	247·0	..	266·0	+0·2	..	..	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	282·4	13th	..	261·3	30th	272·4	−0·8	..	16	−99
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1004·1	1005·7	−7·8	282·6	286·9	4th	278·4	274·1	22nd	280·6	−0·9	280·8	189	+45
335	Aberdeen	57 10	2 6	27·4	999·8	1003·0	−7·5	280·8	285·2	14th	276·4	273·0	21st	278·6	−0·1	278·6	119	+37
336	Greenwich	51 28	W 0 0	48·5	1001·9	1007·8	−6·7	282·6	288·0	5th	276·6	270·8	22nd	279·6	+0·4	279·8	87	+31
337	Uccle	50 48	E 4 22	100	997·9	1010·2	−4·7	281·6	287·8	5th	276·3	271·2	26th	279·0	0·0	279·0	83	+13
338	De Bilt	52 6	5 11	3·0	1008·8	1009·2	−3·7	282·1	287·8	5th	275·8	270·9	22nd, 25th	279·0	0	278·9	93	+32
338a	Hamburg	53 33	9 59	26·0	1007·0	1010·2	−5·0	281·6	286·4	5th	276·7	272·1	26th	279·2	+2·4	278·9	66	+18
339	Copenhagen	55 41	12 36	5·0	1008·2	1008·8	−4·4	280·6	285·5	6th	277·1	271·4	24th	278·9	+2·6	*279·1*	64	+16
340	Potsdam	52 23	13 4	84·9	1002·0	1012·5	−2·2	280·6	287·4	5th	274·9	270·0	25th	277·8	+1·7	277·5	21	−19
340a	Upsala	59 51	17 38	24·0	1003·6	1006·5	−5·4	277·2	282·0	5th	272·3	260·0	27th	274·8	+2·0	274·9	80	+37
341	Warsaw	52 15	21 1	127	1000·0	1015·8	−1·2	280·4	287·0	10th	274·9	267·8	29th	277·7	+3·2	*277·3*	28	− 8
342	Jurjev	58 23	26 43	74·5	1001·8	1011·2	−3·2	277·0	282·6	..	272·2	259·6	..	274·6	+4·1	274·7	77	+32
343	Petrograd	59 56	30 16	4·8	..	1009·2	−4·7	..	282	..	..	267	..	275·6	+4·1	*275·6*	54	+19
344	Kiev	50 27	30 30	182·9	..	1020·8	+1·4	..	286	..	..	262	..	276·1	+1·9	*276·0*	33	− 2
344a	Moscow	55 45	37 34	156	998·7	1018·3	−0·1	276·3	282·1	2nd	271·8	260·9	30th	274·1	+5·5	274·0	19	−21
345	Saratov	51 32	46 3	59·9	..	1023·5	+2·2	..	283	..	..	265	..	274·3	+2·8	*274·2*	20	−15
346	Kazan	55 47	49 8	79·8	1008·3	1018·4	−1·8	..	280·1	9th	..	265·5	26th	273·5	+4·4	*273·5*	25	0
347	Orenburg	51 45	55 6	114·1	..	1023·1	−1·2	..	279	..	..	258	..	273·1	+4·4	*273·0*	44	+14
348	Perm	58 1	56 15	163·0	..	1014·2	−4·0	..	276	..	..	258	..	270·8	+3·9	*270·7*	57	+22
349	Ekaterinburg	56 50	60 38	288·9	..	1015·2	−5·5	..	283	..	..	254	..	269·9	+4·1	*269·7*	33	+18
350	Tobolsk	58 12	68 14	108·3	999·5	1013·5	..	..	276·9	3rd	263·6	250·5	11th	267·4	+4·3	*267·2*	51	+24
351	Akmolinsk	51 12	71 23	? 347	979·8	1022·1	−7·7	..	279·8	2nd	265·7	252·8	12th	269·3	+3·8	*269·2*	40	+29
352	Omsk	54 58	73 23	87·3	1005·2	1016·5	−7·4	..	280·0	3rd	265·3	251·0	12th	269·3	+5·1	*269·1*	22	− 4
353	Barnaoul	53 20	83 47	157·7	1001·9	1022·0	−6·6	..	280·7	1st	266·0	253·1	30th	269·9	+5·7	*269·7*	63	+40
354	Tomsk	56 30	84 58	121·6	1001·4	1017·2	−7·8	..	279·4	4th	261·6	244·6	17th	266·1	+4·2	*265·9*	85	+46
355	Minousinsk	53 43	91 41	? 255	991·5	1023·9	..	..	280·6	2nd, 9th	264·6	249·3	24th	269·3	..	*269·1*	3	− 7
356	Eniseisk	58 27	92 11	84·4	1005·5	1016·6	−8·0	..	277·0	1st	258·3	238·2	23rd	263·5	+3·7	*263·3*	34	+ 6
357	Irkutsk	52 16	104 19	467·0	965·0	1025·3	−3·8	..	279·0	2nd	260·1	238·6	25th	265·6	+3·0	*265·4*	12	− 1
358	Kirensk	57 47	108 7	? 263	988·6	1023·2	..	..	275·7	2nd	254·0	230·2	24th	259·5	..	*259·3*	15	..
359	Tchita	52 2	113 30	673·8	938·6	1024·3	..	..	279·6	2nd	255·3	238·2	26th	260·4	..	..	4	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	960·8	1025·4	..	..	274·2	10th	250·3	230·2	25th	255·5	..	*255·3*	28	+21
360a	Nertchinsk	51 59	116 35	484·3	960·4	1022·5	..	..	278·5	3rd	254·4	237·9	26th	260·2	+1·3	*260·0*	6	− 1
361	Tygan Ourkan	54 5	124 46	? 370	975·0	1023·7	..	..	276·0	3rd	250·0	240·0	20th	257·9	..	*257·7*	12	..
362	Blagoveshchensk	50 15	127 38	? 160	..	1024·2	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	274·6	3rd, 4th	256·4	242·0	30th	262·8	..	*262·7*	40	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1012·4	1015·1	+0·7	..	277·0	1st	262·8	251·1	21st	267·6	+4·3	*267·6*	30	− 5
366	Okhotsk	59 21	143 17	6·0	1011·8	1012·5	−1·5	..	275·1	3rd	259·3	249·7	18th	262·5	+4·0	..	43	+39
367																		
368	Petropavlovsk Phare	52 53	158 4	87·1	998·7	1009·8	+5·8	..	276·8	3rd	269·2	262·4	18th	271·2	−0·4	..	58	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

NOVEMBER—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C	48 24	123 19	25·9	..	1017·6	+2·7	281·6	286·4	3rd	276·4	263·1	11th	279·0	−1·7	278·9	188	+ 34
412	Portland, Oregon	45 32	122 41	46·6	1015·7	1021·3	+2·0	283·9	290·2	1st	277·7	268·6	11th	280·8	+0·2	*280·5*	67	− 97
413	Macleod	49 44	113 24	954	..	..	..	272·2	283·0	3rd, 4th	261·8	242·2	10th	267·0	−4·2	*266·9*	16	− 3
414	Helena	46 34	112 4	1253	873·7	1020·3	+1·0	275·0	283·0	25th	265·9	247·4	11th	270·4	−2·9	*270·2*	16	− 2
414a	Salt Lake City	40 46	111 54	1331	871·2	1022·0	+2·0	280·0	288·0	20th	271·6	262·4	12th	275·8	−1·9	*275·6*	38	+ 2
415	Cheyenne	41 8	104 48	1856	811·1	1018·3	0·0	278·1	286·9	20th	266·2	250·2	11th	272·1	−2·5	*271·8*	15	+ 5
416	North Platte	41 8	100 45	860	917·7	1020·3	+1·7	280·9	290·2	4th	265·8	253·0	12th	273·3	−1·4	*272·8*	1	− 9
416a	Bismarck	46 47	100 38	510·2	956·5	1020·0	+1·7	271·1	287·4	4th	259·9	249·1	12th	265·5	−4·2	*265·1*	20	+ 3
417	Winnipeg	49 53	97 7	231·6	..	1017·0	−0·3	270·2	283·4	3rd	260·2	246·9	15th	265·2	−3·7	*264·5*	15	− 12
418	Duluth	46 47	92 6	345·3	972·3	1015·2	−2·0	271·3	277·4	8th	262·9	254·1	13th	267·1	−4·4	*267·1*	66	+ 26
419	Port Arthur	48 27	89 12	196·3	..	1013·8	−3·5	272·7	279·7	3rd	263·2	253·0	24th	267·9	−2·2	*267·8*	39	+ 7
420	Chicago	41 53	87 37	250·9	985·6	1016·6	−1·7	278·5	296·3	11th	271·3	261·9	13th	274·9	−2·1	*274·9*	83	+ 20
421	Toronto	43 40	79 24	106·7	..	1014·8	−1·8	278·8	289·8	10th	271·6	265·0	17th	275·2	−0·8	274·5	97	+ 33
422	New York	40 43	74 0	96	1005·5	1017·3	−1·7	282·2	293·0	12th	274·3	268·6	13th	278·2	−0·6	278·9	107	+ 20
423	St. John, N.B.	45 17	66 4	21·3	..	1012·2	−1·7	278·7	287·7	13th	271·2	264·1	26th	274·9	−0·7	*275·0*	122	+ 3
424	S. W. Point, Anticosti	49 24	63 35	9	1007·1	1008·3	−4·5	273·7	280·2	..	267·1	259·7	..	270·4	..	..	46	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1012·0	1012·9	..	281·8	286·9	..	275·8	274·7	..	278·8	..	..	174	+ 30
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1006·3	−5·9	278·2	285·8	8th	271·3	266·3	28th, 29th	274·8	−1·3	..	197	+ 43
435	Madrid	40 24	3 41	655·4	940·0	1017·2	−1·5	287·1	293·9	4th	276·9	270·7	11th	282·0	+0·2	281·3	53	+ 5
436	Nantes	47 15	W 1 34	41·4	1006·9	1012·0	−4·7	283·9	288·0	5th	277·5	273·5	27th	280·7	−0·7	*280·6*	152	+ 72
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1005·7	1011·8	−4·5	282·6	287·4	4th, 5th	276·1	270·8	26th	279·3	+0·4	279·2	52	+ 7
438	Marseilles	43 18	5 23	75·0	1004·7	1013·8	−1·0	289·2	292·5	2nd	281·0	276·3	11th	285·1	+1·6	*284·5*	89	+ 4
438a	Zürich	47 23	8 33	493·2	956·2	1015·7	−5·1	..	290·6	22nd	..	271·6	8th	278·9	+2·3	278·8	45	− 26
439	Rome	41 54	12 29	63·4	..	1015·0	+1·1	290·7	295	23rd	283·8	279	27th	287·2	+2·5	*287·0*	80	− 36
440	Vienna	48 15	16 22	202·5	990·4	1015·0	−3·2	277·8	288·2	10th	275·9	273·2	8th	276·9	+2·6	278·6	24	− 18
440a	Buda-Pesth	47 30	19 2	129·6	1001·1	1016·0	−2·1	283·8	291·5	22nd	277·8	274·1	27th	280·8	+3·4	*280·4*	22	− 31
441	Bucharest	45 25	26 6	82	1010·2	1020·3	−0·6	285·9	291·1	22nd	275·6	269·4	30th	280·8	+3·0	..	15	− 32
442																		
443	Odessa (University)	46 29	30 46	65·3	1012·8	1020·9	+1·1	283·4	291·6	23rd	277·4	267·2	29th	280·4	+1·8	*280·6*	10	− 28
444	Kharkov (University)	50 0	36 14	140	..	1024·3	+3·4	..	286	..	..	263	..	275·5	+1·7	*275·4*	11	− 29
444a	Novorossiisk	44 40	37 49	37	..	1020·7	0·0	..	291	..	..	274	..	283·2	+1·9	*283·1*	22	− 38
445	Tiflis	41 43	44 48	409	..	1024·4	+2·1	..	294	..	..	272	..	281·3	+0·6	*281·2*	45	+ 15
446	Astrakhan	46 21	48 2	−14	..	1026·2	+3·1	..	288	..	..	266	..	276·7	+0·5	*276·6*	10	0
447	Fort Alexandrovsk	44 31	50 16	24	1022·2	1025·2	+2·2	..	285·7	7th	274·6	268·6	28th	277·9	−0·5	*277·8*	11	+ 3
448	Krasnovodsk	40 0	52 59	−15	..	1023·9	+1·5	..	292	..	..	274	..	282·7	−1·1	*282·7*	32	− 3
449	Tachkent	41 20	69 18	478·3	969·0	1027·4	+0·7	..	293·2	4th	272·4	258·4	29th	277·8	−1·8	*277·8*	12	− 13
450	Irgiz	48 37	61 16	112	1010·0	1024·3	..	..	..	1st	..	..	..	..	..	..	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	279·1	8th	263·7	255·5	23rd	270·3	+1·1	*270·3*	3	− 8
452	Vernyi	43 16	76 53	? 835	927·2	1028·6	+0·6	..	285·9	5th	..	..	..	273·5	+1·1	*273·4*	46	+ 2
461	Mukden	41 48	123 23	43·8	1017·2	1022·8	−1·3	278·4	288·6	4th	269·2	258·4	27th	273·8	+2·7	..	18	+ 4
462	Joshin	40 40	129 11	4·0	1018·4	1018·9	−0·5	282·9	289·7	12th	274·2	263·5	27th	278·6	+2·5	..	112	+ 80
463	Vladivostok	43 7	131 54	15·7	1017·6	1019·6	−2·0	..	285·5	4th	271·5	264·0	29th	274·9	+3·4	*274·9*	195	+183
464																		
465	Ochiai	47 20	142 44	15·0	1014·0	1015·9	..	278·0	284·5	25th	268·8	262·2	20th	273·4	..	273·3	57	..
466	Nemuro	43 20	145 35	26·7	1013·1	1016·5	+2·3	282·9	288·5	5th	275·0	268·9	29th	278·9	+1·8	279·3	49	− 34
		N.	E.															

Between Latitude 40° N. and 30° N.

NOVEMBER—ZONE 5 (Western Half).

		N.	W.															
511	San Francisco	37 48	122 26	47·2	1015·0	1020·6	+1·7	291·4	298·0	3rd	282·7	278·6	11th	287·1	+1·0	*286·6*	15	− 53
512	San Luis Obispo	35 18	120 39	61·3	1012·3	1019·6	+1·7	294·6	301·3	2nd	280·2	274·1	29th	287·4	+0·9	*287·0*	12	− 39
513	Modena	37 48	113 54	1670	836·3	1021·3	+2·7	282·1	288·6	4th	265·3	254·3	29th	273·7	−3·2	*273·4*	3	− 12
514	San Diego	32 43	117 10	26·5	1014·1	1017·3	+0·7	294·4	300·8	24th	284·6	279·7	29th	289·5	+1·5	*289·2*	1	− 19
515	Santa Fé	35 41	105 57	2138	787·7	1021·7	+4·7	279·2	288·0	20th	267·1	250·8	28th	273·2	−3·3	*272·8*	34	+ 14
516	Denver	39 45	105 0	1613	836·5	1018·3	+0·3	282·3	291·9	10th	268·5	254·1	11th	275·4	−1·6	*275·1*	9	− 4
517	Abilene	32 23	99 40	529·7	958·3	1020·6	+2·4	290·6	303·6	11th	275·7	263·0	29th	283·1	−1·3	*282·8*	8	− 24
518	Saint Louis	38 38	90 12	172·8	997·6	1018·6	−0·7	281·7	298·6	11th	272·4	261·9	12th	277·0	−2·3	*276·8*	87	+ 14
519	Mobile	30 41	88 2	17·4	1018·4	1020·3	+0·7	292·5	299·7	10th	281·7	269·7	30th	287·1	−0·1	*286·8*	146	+ 51
520	Nashville	36 10	86 47	166·4	1001·2	1021·7	+1·7	285·4	297·4	6th	274·9	265·2	13th	280·2	−2·1	*280·1*	111	+ 14
521	Charleston	32 47	79 56	14·6	1018·6	1020·3	+0·3	291·0	299·1	12th	281·4	271·3	30th	286·2	−1·3	*286·0*	38	− 35
522	Washington	38 54	77 3	34·1	1014·9	1019·3	−0·7	283·8	294·1	12th	274·2	267·4	13th	279·0	−1·2	*279·0*	98	+ 29
523																		
524	Bermuda	32 17	64 46	46·0	..	1019·2	+0·7	296·5	299·7	1st	291·0	287·8	28th	293·7	+0·6	..	178	+ 68
531	Horta	38 32	28 38	30	..	1019·0	−0·2	291·9	295	1st	287·5	283	30th	289·7	−0·4	..	113	+ 26
532	Ponta Delgada	37 44	25 40	17	..	1019·5	+0·9	291·2	294	2nd	287·2	285	sev. dates	289·2	−0·6	..	102	− 5
533	Madeira (Funchal)	32 37	16 54	25	1017·5	1020·5	+2·9	293·6	296·0	3rd, 4th	284·5	280·8	27th	289·0	−1·0	..	76	− 54
534	Lisbon	38 43	9 9	95·4	1005·9	1017·4	−0·3	288·9	292·5	5th	283·8	279·6	14th	286·3	−0·5	*286·1*	84	− 31
535	Casablanca	33 37	7 35	17	1015·4	1017·5	..	291·2	293·3	..	285·7	283·2	..	288·5	−0·4	*287·6*	83	+ 13
536	Gibraltar	36 6	5 21	16	1012·9	1014·8	−1·5	292·3	296·9	1st	284·3	281·3	9, 13, 23	288·0	−1·1	*287·9*	111	− 41
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

NOVEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1011·0	1015·6	−0·4	293·4	301·6	21st	287·1	283·1	11th	290·3	−0·2	*290·0*	50	− 32
538	Palma	39 33	2 42	23	..	1015·9	+0·5	291·4	294	sev. dates	284·9	282	26th, 27th	288·2	+1·2	..	60	+ 14
538a	Tunis	36 48	10 10	43	1012·5	1017·6	+1·3	293·3	297·0	9th	285·5	281·0	19th	289·4	+0·4	..	144	+ 84
539	Malta	35 54	14 31	59	..	1017·1	−1·3	293·9	295	sev. dates	288·5	285	23rd	291·2	+0·8	..	279	+188
540	Catania	37 30	15 3	64·9	1008·8	1016·6	−0·2	292·7	296·2	22nd	286·1	283·3	21st	289·4	+1·1	..	151	+ 39
541	Athens	37 58	23 43	107·1	..	1018·6	+1·2	291·8	294	8th	285·3	281	30th	288·6	+1·3	*288·2*	106	+ 30
542	Alexandria	31 9	29 54	32·0	..	1018·4	+0·5	297·6	302	4th	290·1	287	20th	293·8	+0·7	*293·3*	17	− 19
543	Cairo (Helwan)	29 52	31 20	115·6	..	1018·3	−0·3	298·0	303	4th	287·1	284	30th	292·6	+0·6	292·3	13	+ 11
544	Nicosia	35 12	33 24	152	..	1017·9	+0·8	296·6	302	1st	281·2	277	29th, 30th	288·9	+0·5	..	32	− 23
544a	Beirut	33 54	35 28	52·4	..	1017·1	+0·4	295·6	299	2nd	289·3	285	12th, 13th	292·4	+0·2	..	80	− 57
545	Baghdad	33 21	44 28	38·7	1014·4	1019·1	+0·4	296·2	298·0	7th	284·1	277·6	29th	290·1	+0·4	..	18	− 2
546	Lenkoran	38 46	48 52	−19	1025·8	1023·5	+1·2	..	289·0	24th	280·7	275·6	16th	283·4	−1·2	*283·3*	210	+ 29
547	Busrah	30 31	47 53	7·6	1017·6	1018·7	−0·3	296·4	303·3	1st	286·9	282·1	30th	291·7	−0·6	..	52	+ 29
548	Meshed	36 16	59 35	946	912·1	1023·2	..	287·1	297·9	4th	273·2	267·5	17th	280·1	−1·3	..	26	+ 12
549	Quetta	30 11	67 3	1677	836·9	..	−0·5	287·4	294·2	5th	272·8	267·8	20th	280·1	−2·1	*279·8*	33	+ 26
550																		
551	Lahore	31 34	74 20	214	992·5	1018·1	+1·0	297·9	303·8	6th	282·2	276·4	27, 28, 29	290·1	−1·4	*289·0*	15	+ 14
551a	Simla	31 7	77 8	2204·3	783·1	..	−0·5	283·4	288·1	8th	277·7	271·8	19th	280·5	−2·8	*280·2*	69	+ 57
552	Leh	34 10	77 42	3506	666·4	..	−2·2	279·1	285·7	6th, 8th	264·8	259·7	27th, 28th	271·9	−2·2	*270·8*	0	− 1
552a	Dehra Dun	30 20	78 0	681	939·5	1017·8	+0·4	294·3	298·3	2nd	283·0	279·4	26th, 27th	288·7	−1·8	*288·3*	116	+108
559	Hang Kow	30 35	114 17	37·0	1019·3	1023·8	−1·7	289·3	296·7	10th	281·9	274·9	26th	285·6	+0·2	..	114	+ 62
560	Tiensin	39 10	117 10	5·0	1023·8	1024·4	−1·5	282·9	291·8	2nd	273·8	260·9	26th	278·4	+0·9	..	26	+ 18
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1021·9	1022·7	−1·1	290·3	296·4	14th	279·4	270·7	29th	284·9	+0·2	283·9	31	− 14
562	Chemulpo	37 29	126 32	67·6	1012·6	1021·0	−1·6	283·8	289·5	22nd	276·6	268·5	27th	280·2	−0·3	279·9	71	+ 36
562a	Nagasaki	32 44	129 52	133·0	1004·4	1020·5	−0·2	290·0	296·2	16th	282·5	277·1	30th	286·3	+0·2	286·2	154	+ 66
563	Kioto	35 1	135 46	49·4	1014·5	1020·5	+0·7	290·9	296·0	17th	278·1	273·0	4th	284·5	+1·5	284·1	68	− 14
564	Tokio	35 41	139 45	21·3	1016·2	1018·7	+1·3	290·7	297·0	17th	281·1	275·2	29th	285·9	+2·4	285·8	54	− 51
565	Miyako	39 38	141 59	30·4	1014·5	1018·2	+1·0	288·7	294·6	26th	277·4	271·9	12th	283·1	+1·9	282·3	82	+ 1
566																		
		N.	E.															

NOVEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
605	Honolulu	21 19	157 52	11·6	1016·0	1017·3	−2·7	299·1	301·3	..	294·3	291·9	..	296·7	+0·1	..	12	−120
606																		
615	Zacatecas	22 47	102 35	2610	748·5	..	..	288·5	293·2	11th	280·1	267·0	29th	284·3	..	..	49	..
616	Leon	21 7	101 41	1798·6	823·6	..	−0·1	296·7	300·3	10th	284·3	276·5	30th	290·5	+1·7	..	28	+ 16
617	Galveston	29 18	94 50	16·5	1019·1	1021·3	+2·4	291·3	299·1	6th	283·9	269·7	29th	287·6	−2·6	*287·7*	129	+ 26
618	New Orleans	29 58	90 4	15·5	1018·6	1020·6	+1·4	292·7	304·7	6th	283·2	272·4	29th	287·9	−0·9	*287·5*	104	+ 7
619	Havana	23 8	82 22	24·3	..	1015·5	−0·7	..	304·4	17th	..	290·2	30th	298·6	+1·7	*298·6*	260	+181
620	Key West	24 33	81 48	6·7	1015·0	1015·6	−1·0	300·2	303·0	9th	295·7	285·2	30th	298·0	+1·5	*297·9*	152	+ 92
621	Nassau, Bahamas	25 5	77 21	7·6	1019·0	1019·9	+3·1	301·4	304·9	1st	296·5	292·4	22nd	298·9	+1·8	..	101	+ 12
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	293·8	296·6	..	287·3	284·7	..	290·6	−1·5	..	68	+ 7
634	Las Palmas, Canary Islands	28 7	W15 26	7	1019·2	1020·0	+0·1	297·8	301·8	15th	289·5	286·4	15th	293·7	+0·3	..	28	− 24
637	Insalah	27 17	E 2 27	330	982·3	1021·1	+0·3	298·6	304·0	20th	283·5	279·0	16th	291·1	−2·1	*290·6*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0														
642	Wadi Halfa	21 55	31 20	128·3	..	1020·6	+0·1	302·2	307	16th	284·0	281	12th, 14th	293·1	−0·7	*293·3*	..	..
643	Suez	29 57	32 32	3·4	..	1013·9	−2·5	303·6	306	sev. dates	287·6	285	sev. dates	295·6	+0·6	*295·8*	..	..
644	Aswan	24 2	32 53	99·6	..	1017·8	+0·1	299·2	303	3rd	288·0	285	9th, 30th	293·6	+1·4	..	11	+ 8
					..	1016·6	+0·7	303·4	307	24th	289·0	286	30th	296·2	+0·5	*296·6*	..	..
647	Bushire	28 59	50 53	4	1016·4	1017·0	−0·6	296·6	305·1	3rd	289·7	286·9	29th	293·2	−1·1	..	96	+ 56
648	Jask	25 44	57 47	4	1016·1	1016·5	−0·7	301·5	305·4	2nd	292·9	289·0	30th	297·2	−0·2	..	13	+ 5
649	Kurrachee	24 53	66 57	4	1016·4	1016·9	+0·9	301·4	308·0	3rd	291·3	285·8	19th	296·4	−0·4	*296·1*	7	+ 6
650	Hyderabad, Sind	25 24	68 18	29	1013·4	1016·8	+0·9	302·2	308·8	6th	288·2	281·3	27th	295·2	−1·1	..	0	− 2
651	Jaipur	26 56	75 52	436	967·2	1017·6	+0·2	300·1	306·4	8th	286·2	278·6	26th	293·1	−1·3	*292·2*	8	+ 4
652	Nagpur	21 8	79 5	310	980·0	1015·5	0·0	302·7	305·6	13th	290·6	286·8	7th	296·6	+1·1	*296·3*	87	+ 70
653	Allahabad	25 25	81 51	91	1005·8	1016·9	+0·8	299·0	303·6	1st, 2nd	287·6	281·6	28th	293·3	−0·3	*292·4*	50	+ 42
654	Calcutta	22 36	88 23	6	1015·0	1015·8	+0·8	301·3	304·1	17th	292·4	289·9	5th	296·8	+1·1	*296·5*	12	− 2
655	Gauhati	26 8	91 41	59	1010·6	1017·6	..	298·9	301·8	1, 3, 4	288·4	285·3	28th, 29th	293·7	..	..	21	+ 14
655a	Cherrapunji	25 15	91 42	1313	872·0	..	..	291·3	293·9	2nd	283·6	280·0	28th	287·4	..	..	0	− 66
656	Shillong	25 33	91 48	1500	852·9	..	..	291·1	293·5	8th	280·7	277·3	23rd	285·8	..	..	7	− 30
656a	Akyab	20 11	92 56	6	1014·1	1014·8	+1·2	302·2	303·5	2nd	293·1	291·3	6th	297·6	−1·1	*297·2*	0	−101
657	Phu Lien	20 48	106 37	115·6	1003·5	1017·1	−0·2	298·5	303·6	1st	292·2	287·5	26th	295·4	+0·5	294·6	147	+ 75
658	Moncay	21 31	107 51	10	1016·3	1017·5	−0·4	297·7	303·2	1st	290·6	284·7	25th	294·2	+0·2	*293·4*	132	+ 77
659																		
660	Hong Kong	22 18	114 10	33·2	1013·8	1017·7	0·0	295·8	299·9	17th	291·7	286·2	24th	293·8	−0·1	293·6	69	+ 32
661	Taihoku, Formosa	25 2	121 31	9·3	1018·2	1019·3	+0·5	296·8	303·0	15th	288·3	282·1	10th	292·1	−0·9	292·0	81	+ 8
662	Naha	26 13	127 41	10·5	1016·9	1018·1	+0·6	297·4	301·4	12th, 15th	290·7	286·5	26th	294·0	0·0	293·7	64	− 67
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

NOVEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 14	100 7	1933	811·2	..	..	295·0	298·4	12th	282·9	278·0	30th	289·6	..	*289·2*	46	..
717	Salina Cruz	16 12	95 16	56·3	1006·3	1012·8	..	..	307·5	..	..	289·4	..	299·3	..	..	256	..
718	Mexico	19 26	99 8	2280	781·0	..	+0·3	293·6	297·0	14th	281·9	277·7	30th	287·8	+0·7	287·6	6	− 3
718a	Oaxaca	17 4	96 44	1563	847·6	..	..	298·8	304·0	8th	285·2	277·8	29th	291·6	..	*291·2*	7	..
719	Belize	17 29	88 12	2·1	..	..	..	302·9	307·4	2nd	296·9	289·7	30th	299·9	+1·6	*299·1*	511	+210
720	San Salvador	13 44	89 9	657	938·1	1011·8	+0·8	303·1	305·6	1st, 4th	290·8	289·2	23rd	297·0	−2·1	..	164	+116
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1011·9	0·0	303·8	305·3	2nd	295·4	293·2	28th	299·6	+0·5	*299·0*	73	− 8
722	Port au Prince	18 34	72 22	37·4	1009·1	1013·4	+2·9	304·3	305·8	..	294·5	292·9	..	299·4	+0·3	299·0	120	+ 59
723	St. Croix (Christiansted)	17 45	64 42	6·6	1011·0	1011·9	..	302·6	304·2	..	297·5	296·5	..	300·1	..	..	87	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	993·5	1011·4	+0·4	301·9	303·6	8th, 9th	297·2	295·2	2nd	299·6	+0·3	*299·0*	149	− 53
725	Barbados	13 8	59 36	55·2	..	1010·4	+0·6	301·2	302·8	..	297·4	294·2	..	299·3	−0·1	*299·1*	183	+ 11
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1015·6	1016·9	+3·5	299·2	300·6	1st, 2nd	295·3	293·0	22nd, 24th	297·3	−0·6	..	0	− 9
732	San Tiago, C. Verde Is.	14 54	23 31	34	1014·3	1018·2	..	300·4	303·5	4th	296·5	295·0	12th	298·4	+0·2	..	0	− 12
733	Bathurst	13 24	16 36	1·5	1012·4	1012·6	+0·6	302·9	307·4	3, 6, 13	294·9	290·8	15th	298·9	−0·4	*300·8*	0	− 5
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	308·9	311·3	13th	291·7	286·9	17th	300·3	−0·2	..	0	− 6
735	Ségou	13 34	6 17	? 272	..	..	..	..	..	..	293·3	290·0	19th, 21st	..	..	..	0	..
736	Timbouctoo	16 43	W 2 52	250	982·6	1011·0	−0·5	308·9	313·0	..	289·5	285·0	..	299·2	−0·8	*298·7*	0	..
737	Sokoto	13 2	E 5 14	354	..	..	..	306·3	308·0	3, 5, 13	292·3	289·1	27th	299·3	0·0	..	0	0
738	Kontagora	10 24	5 24	400	..	..	..	308·4	310·2	12th	289·1	282·4	26th, 28th	298·8	+0·5	..	5	− 3
739	Maiduguri	11 48	13 12	370	..	..	..	308·2	310·2	12th, 13th	288·1	285·2	23, 25, 26	298·2	−1·2	..	0	0
740	Katagum	12 17	10 22	329	..	..	..	309·1	310·8	1, 3, 13	287·6	283·6	27th	298·3	+0·5	..	0	0
742																		
743	El Obeid	13 11	30 14	585	..	1013·0	−0·7	307·3	309·8	18th	288·9	285·8	24th	298·1	+0·2	*298·7*	0	0
744	Khartoum	15 37	32 33	390	..	1011·9	+0·7	308·1	312·7	18th	293·7	291·5	26th	300·9	+0·7	*301·0*	0	0
746	Aden	12 45	45 3	28·7	1012·0	1015·3	+0·1	301·4	303·1	18th	297·6	295·7	26th	299·5	−0·1	*298·9*	0	− 4
751	Bombay	18 54	72 49	11·3	1011·8	1013·0	−0·8	304·1	306·6	2nd	297·2	295·5	20th	300·7	+0·4	*300·3*	7	− 3
752	Mysore	12 18	76 40	768	928·2	1012·7	−0·4	301·4	303·0	11th, 16th	291·1	288·8	27th	296·2	+0·3	296·2	69	+ 17
752a	Kodaikanal	10 13	77 28	2343	771·5	..	−0·4	289·3	293·0	15th	282·8	280·5	28th	286·1	+0·2	285·6	287	+122
753	Madras	13 4	80 14	6·7	1012·7	1013·5	+0·6	303·0	304·4	1, 3, 19	296·2	293·8	13th	299·6	+0·7	299·2	322	− 2
754	Waltair	17 45	83 16	68·9	1007·3	1015·1	+1·1	302·3	303·3	6 dates	295·8	294·1	4 dates	299·0	..	*298·6*	77	− 5
755	Port Blair	11 40	92 40	17·7	1010·6	1012·5	+0·9	303·9	305·1	19th	298·9	297·2	6th	301·4	+0·6	*301·0*	95	−158
756	Rangoon	16 46	95 48	5·5	1013·5	1014·2	+0·9	304·8	306·7	30th	295·5	293·2	14th	300·2	+0·5	*299·3*	1	− 60
757	Saigon	10 46	106 42	11·2	1009·5	1010·8	+0·5	307·0	308·0	17th, 23rd	294·8	293·0	27th	300·9	+1·4	..	38	− 59
758	Nhatrang	12 16	109 12	6·8	1012·3	1013·1	+1·2	304·1	306·1	2nd	295·8	293·7	13th, 29th	300·0	+1·3	..	72	−266
759	Bolinao	16 24	119 53	7·5	..	?1011·6	+1·6	?304·4	..	..	?295·0	..	..	?299·7	..	..	..	..
760	Vigan	17 34	120 23	14·7	..	1011·7	+1·3	304·3	308·2	18th	294·3	291·2	10th	299·3	−1·0	298·8	0	− 20
761	Manila	14 35	120 59	14·2	..	1011·7	+1·6	305·1	306·9	16th	292·9	289·8	30th	299·0	−0·8	298·1	6	−124
762	Ormoc	11 0	124 36	5·6	..	1010·2	+1·3	303·6	305·1	16th	294·6	290·9	12th	299·1	−0·2	298·5	94	−126
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·1	303·6	3rd	297·5	295·0	24th	299·8	..	..	97	..
		N.	E.															

NOVEMBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		N.	W.															
805	Fanning Island	3 55	159 23	4·3	?1011·4	?1011·8	+0·3	304·1	307·2	4th	298·5	296·6	3rd	301·3	+0·5	*300·2*	237	+160
819	Culebra	9 10	79 40	123·1	..	1010·1	0·0	302·4	304·7	28th	295·2	293·6	14th	298·8	+0·1	..	314	− 3
822																		
823	El Peru, Guayanavieja	7 30	62 0	? 300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1012·2	1012·4	+1·1	303·7	304·5	14th	297·4	295·5	17th	300·6	+0·6	..	58	− 84
826	Paramaribo	5 49	55 9	4	1012·1	1012·6	..	304·2	306·0	15th	295·6	294·4	12th, 27th	299·9	..	299·6	183	+ 48
826a	Cayenne	4 56	52 21	6	..	..	..	304·1	305·6	7th	296·4	295·0	29th	300·3	−0·5	..	168	+ 81
833	Conakry	9 31	13 43	16	1009·9	1011·7	+0·5	304·3	306·7	..	297·0	293·6	..	300·7	+0·5	..	82	− 36
834	Sierra Leone	8 30	13 9	68·3	1003·1	1011·0	+0·2	304·8	306·6	10th	295·8	292·3	12th	300·3	−0·1	..	152	+ 14
835	Cape Coast Castle	5 5	1 13	..	..	..	..	304·8	308·6	6, 17, 30	294·7	292·4	9th	299·8	−0·4	..	72	+ 12
836	Accra	5 35	W 0 6	18	..	..	..	302·8	304·7	2, 17, 23	295·3	290·2	5th, 16th	299·1	−0·7	..	83	+ 44
837	Lagos	6 22	E 3 28	7·6	1010·7	1011·6	+1·0	303·8	304·7	..	296·6	295·2	..	300·2	−0·1	..	8	− 47
838	Zungeru	9 48	6 10	130	996·5	1011·4	+1·1	307·4	308·6	12, 20, 29	290·8	285·2	26th	299·1	−0·2	..	0	− 2
838a	Libreville	0 23	9 26	35	..	..	..	303·1	304·3	25th	295·4	293·6	9th	299·3	+0·5	..	400	+ 50
839	Yola	9 12	12 30	259	..	..	..	307·7	309·1	17th, 21st	292·6	288·0	27th	300·2	−0·3	..	0	− 1
841	Kafia Kingi	9 22	24 18	596	947·1	1013·5	..	..	..	..	..	..	..	295·2	..	..	0	..
842	Wau	7 42	28 3	440	..	1010·8	..	307·4	309	3, 11, 18	290·8	285	25th	299·1	..	..	10	− 10
843	Entebbe	0 5	32 29	1177	883·0	..	+0·4	298·5	302·4	8th	289·7	288·6	25th	294·1	−0·3	*293·7*	102	− 36
844	Nandi	0 2	35 5	2010	..	..	..	296·9	299·7	2nd	283·1	281·3	2nd	290·0	−0·6	..	197	+105
845																		
851	Cothin	10 0	76 21	2·7	1011·2	1011·5	−0·6	304·6	306·7	15th	296·8	294·2	27th	300·7	+0·5	*300·3*	164	+ 4
852	Colombo Observatory	6 54	79 53	7·3	1008·8	1009·6	+0·2	304·2	306·5	9th	295·8	294·0	3rd	300·0	−0·1	*299·6*	375	+ 46
853	Candy	7 18	80 40	504·5	..	..	..	301·1	302·5	6th	293·4	290·2	28th	297·3	+0·3	..	273	+ 15
855	Medan	3 35	98 41	23·5	..	1009·6	−0·6	304·1	306·0	29th	294·2	293·2	27th	299·2	..	..	175	− 70
856																		
857	Penang	5 34	100 20	5·0	1008·4	1009·0	−1·1	304·3	305·8	15th	296·3	294·1	19th	300·3	+0·1	..	218	− 62
858	Singapore	1 17	103 51	3·0	1009·8	1010·1	+0·7	304·5	305·8	2nd	296·5	295·8	30th	300·5	+0·9	..	430	+189
860	Sandakan	5 49	118 12	..	..	..	..	303·5	304·7	1, 6, 9	296·4	295·8	28th, 30th	300·0	0·0	..	480	+103
861	Tagbilaran	9 38	123 51	21·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
862	Surigao	9 48	125 29	6	..	..	..	303·0	304·5	7, 12, 26	296·7	292·7	12th	299·9	..	..	176	−244
863	Yap	9 29	138 8	31·9	..	..	..	303·7	305·4	21st	298·1	296·6	6th	300·9	..	..	75	..
869	Uyelang	9 42	161 2	< 10	..	..	..	..	..	..	..	..	..	..	..	..	95	−102
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

NOVEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1009·7	1010·6	+1·5	306·6	307·4	5, 12, 30	296·4	294·1	5th	301·5	+0·3	..	1	− 22
906																		
923	Manaos	3 8	59 59	32·4	1002·0	1005·6	−0·9	..	..	..	..	..	..	301·7	−0·4	..	94	− 42
930	Fernando Noronha	3 51	W32 25	95	..	1012·7	+1·3	299·9	300·3	..	296·4	294·6	..	298·1	..	..	10	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	305·8	307·6	10th	293·4	292·1	14th	299·6	0·0	..	440	+115
940	Loango	4 38	11 50	? 50	..	..	..	302·7	303·4	25th	297·1	296·6	10th	299·9	..	..	190	..
943	Daressalam	6 49	39 18	7·6	1011·2	1012·0	−1·3	301·7	302·7	20th, 21st	295·7	293·2	2nd	298·7	−0·5	298·9	76	+ 22
944	Nairobi	1 18	36 59	1660	..	..	..	296·2	304·1	15th	285·5	281·1	1st	290·8	−0·1	..	331	+163
944a	Zanzibar	6 10	39 11	21·9	1011·9	1014·7	−0·1	301·9	303·8	22nd	297·9	296·3	25th	299·9	+0·1	*299·2*	159	− 60
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	302·7	304·1	9th	297·1	295·2	5th	299·9	..	..	4	− 29
947	Seychelles	4 37	55 27	4·6	1010·8	1011·4	+0·5	301·8	303·2	..	298·2	295·5	..	300·0	+0·9	..	331	+ 90
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1009·9	−1·1	..	..	..	..	..	..	..	..	..	701	+184
957	Batavia	6 11	106 50	8	..	1010·0	+0·1	304·1	305·9	13th	296·7	295·4	1st	300·4	+0·5	299·7	112	− 22
958	Pontianak	0 1	109 20	2·6	..	1010·5	+1·2	..	..	..	..	..	..	..	..	..	412	+ 18
959	Passeroean	7 38	112 55	5·0	..	1009·7	+0·2	305·6	307·0	..	296·6	294·5	..	301·1	..	..	100	+ 35
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	115	− 83
961	Koepang	10 10	123 34	3·3	..	1009·9	+2·0	..	..	..	..	..	..	..	..	..	1	− 95
962	Ambon	3 42	128 10	4·2	..	1010·0	+1·4	..	..	..	..	..	..	..	..	..	186	+ 75
965	Daru	9 4	143 13	8	1011·4	1012·3	+1·6	304·3	..	..	297·3	..	..	300·8	+0·5	..	16	− 67
966	Port Moresby	9 29	147 9	39	1007·1	1011·5	+1·3	304·5	..	..	297·1	..	..	300·8	+0·2	..	0	− 48
967	Rakuranga	4 13	152 8	ca.120	..	..	..	..	..	..	..	..	..	..	..	..	75	..
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	312	− 87
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·6	1007·8	+0·1	305·5	308·0	24th	297·7	296·3	1, 9, 11	301·6	+1·0	..	57	− 171
970	Ocean Island	0 52	169 36	48·5	1005·3	1007·5	−1·1	304·4	306·6	5th	297·8	296·3	10th, 30th	301·1	0·0	..	192	+ 29
		S.	E.															

NOVEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1001																		
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1010·1	1014·3	+0·3	303·8	305·8	18th, 28th	294·0	290·2	10th	298·9	+0·6	..	40	− 62
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	1005·7	1011·1	−0·3	303·1	304·6	..	296·1	291·8	..	299·6	..	..	200	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	294·1	298·0	6th	288·6	286·3	13th	291·4	+0·2	*292·5*	0	..
1022	Arequipa	16 22	71 33	2451	760·7	..	+0·3	293·3	295·2	22nd	276·7	280·2	11, 15, 26	285·0	−2·2	..	0	− 1
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	293	+1	..	48	− 14
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	297·8	−0·1	..	143	− 47
1026	Cuyaba	15 36	56 0	235	989·7	1016·4	0·0	304·1	307·0	..	297·9	296·0	..	301·0	+0·4	..	195	+ 29
1035	St. Helena	15 57	W 5 40	632	945·1	1018·0	−1·6	293·8	296·6	22nd	286·6	285·5	1st	290·2	+2·0	*289·8*	198	+150
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	859·3	..	+0·4	302·2	307·0	..	287·4	282·4	..	294·9	+0·4	..	24	− 85
1043	Salisbury, Rhodesia	17 49	31 3	1487	857·2	..	+1·8	301·9	306·4	..	287·3	280·8	..	294·6	0·0	..	26	− 71
1044	Zomba	15 23	35 18	899	906·3	1005·5	+2·2	302·7	306·0	17th	290·3	288·0	3, 13, 14	296·5	−0·4	*294·8*	102	− 35
1045	Tamatave	18 9	49 26	4	1015·3	1015·7	−0·1	..	..	..	296·2	290·9	..	298·4	−0·2	..	60	− 51
1046	Tananarivo	18 55	47 32	1400	864·9	..	+0·2	300·1	303·0	9th	287·4	283·0	5th	293·8	−0·1	292·5	163	+ 47
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1014·6	+0·7	302·7	304·1	5th	297·9	295·8	17th	300·3	+0·4	..	13	−106
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·7	1009·3	0·0	304·3	305·8	..	297·3	295·9	..	300·8	+0·7	..	57	−199
1058																		
1061	Derby	17 18	123 40	16·2	..	1010·2	+1·3	308·6	312·7	16th	298·5	295·2	6th, 7th	303·6	−0·2	..	4	− 28
1062	Hall's Creek	18 13	127 46	373·4	..	1009·2	+0·6	311·2	315·2	11th, 28th	296·1	288·0	3rd, 5th	303·7	+0·2	..	25	− 11
1063	Port Darwin	12 28	130 51	29·6	..	1009·8	+1·4	307·1	308·7	17th	298·6	295·1	19th	302·8	−0·1	*301·7*	79	− 54
1064	Daly Waters	16 16	133 23	213	..	1008·4	..	310·5	314·7	9th, 14th	296·1	291·9	4th	303·3	−1·0	*302·6*	130	+ 78
1065	Mein	13 13	142 57	121·9	..	1009·6	..	307·3	309·7	13th	293·6	289·7	11th	300·5	..	..	6	− 65
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1010·5	..	308·4	311·9	13th	294·3	289·9	1st	301·4	..	..	52	+ 9
1067	Samarai	10 37	150 40	6·4	1010·7	1011·5	+1·6	302·5	..	..	297·8	..	..	300·1	+0·8	..	31	−210
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	302·9	307·0	17th	291·9	287·0	9th	297·4	..	..	169	..
1071																		
1072	Suva, Fiji	18 8	178 26	14·8	..	1012·2	−0·1	300·5	302·4	4, 15, 29	295·8	292·4	7th	298·2	0·0	..	620	+373
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

NOVEMBER—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	299·6	301·9	28th	294·4	290·8	17th	297·0	..	..	80	− 43
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1014·8	1018·3	..	295·7	298·9	26th	289·1	286·5	9th, 13th	292·4	..	290·5	75	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1012·4	1015·4	− 0·4	291·4	294·9	2nd	286·6	285·0	18th	289·0	+1·2	*287·5*	0	0
1122	Puerto de Antofagasta	23 39	70 25	10	1013·2	1014·4	− 0·6	298·2	298·8	30th	286·2	285·5	2nd, 4th	292·2	+0·9	*290·5*	0	0
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	..	292·2	+1·5	*295·7*	278	+ 180
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	124	+ 76
1127	Curityba	25 26	49 16	908	912·0	1014·0	0·0	298·3	304·0	..	288·2	284·9	..	293·3	+1·1	*292·7*	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1004·0	1011·4	− 1·6	..	..	..	..	..	..	298·0	+1·8	..	50	− 58
1139	Windhuk	22 34	E17 5	1665·3	833·7	..	..	301·5	305·7	24th	289·1	283·8	7th	295·3	−1·0	295·0	42	+ 21
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	296·8	300·6	8th	284·7	280·5	22nd	290·8	+2·5	*290·4*	89	− 10
1142	Kimberley	28 43	28 46	?1232	880·4	..	− 0·3	302·8	..	..	287·8	..	..	295·3	+0·9	295·0	47	+ 11
1142a	Pretoria	25 45	28 11	1338	..	..	..	302·8	306·3	16th	288·1	284·1	13th	295·4	+4·7	..	121	+ 4
1143	Durban	29 51	31 0	79·9	..	..	..	298·6	303·5	..	291·1	288·6	..	294·9	−0·7	..	88	− 48
1144	Lorenzo Marques	25 58	32 36	59	..	1015·6	+ 0·3	300·8	308·6	6th	292·0	288·7	5th	296·4	−0·7	296·0	58	− 31
1147	Mauritius	20 6	57 33	54·3	1008·0	1014·5	− 1·5	302·3	305·8	30th	292·6	288·9	21st	297·4	+0·1	296·9	7	− 38
1148																		
1159	Onslow	21 43	114 57	4·3	..	1009·9	− 0·2	306·7	312·6	30th	290·9	287·7	3rd	298·8	−0·7	..	0	0
1160	Peak Hill	25 38	118 47	588·3	..	1007·1	− 1·8	309·8	313·9	28th	293·3	287·2	1st	301·6	+1·8	..	1	− 5
1161	Nullagine	21 53	120 5	385·6	..	1007·6	− 0·6	312·7	317·0	30th	295·8	285·3	1st	304·3	+1·5	..	5	− 7
1162	Laverton	28 40	122 23	466·3	..	1009·8	− 2·2	308·8	315·8	29th	292·5	283·0	1st	300·7	+3·4	..	8	− 5
1163	Alice Springs	23 38	133 37	587·0	..	1008·6	− 0·6	307·9	315·3	10th	291·7	281·3	3rd	299·8	+0·3	*299·5*	32	+ 9
1164	William Creek	28 55	136 21	76·2	..	1011·4	..	307·8	318·0	10th	291·7	281·3	1st	299·7	..	*299·3*	3	− 8
1165	Boulia	22 55	139 38	145·7	..	1008·2	..	309·2	316·6	11th	294·2	284·7	1st, 2nd	301·7	..	..	104	+ 89
1166	Mitchell	26 32	147 52	337·1	..	1010·9	..	306·7	314·1	12th	290·3	279·1	3rd	298·6	..	..	19	− 34
1167	Rockhampton	23 24	150 30	11·3	..	1014·3	..	306·3	310·8	9th	292·3	286·9	3rd	299·3	..	..	2	− 57
1168	Brisbane	27 28	153 2	41·7	..	1014·3	− 0·2	302·6	306·8	29th	291·9	285·4	5th	297·3	+1·4	..	21	− 73
1169	Noumea	22 16	166 27	9	1012·0	1013·0	..	300·4	304·5	13th	292·8	288·8	9th	296·6	−0·1	..	5	− 54
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	5	− 67
		S.	E.															

Between Latitude 30° S. and 40° S.

NOVEMBER—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1219																		
1220	Juan Fernandez	33 37	78 50	10	1019·8	1021·0	0·0	292·4	295·6	26th	..	..	..	289·1	+0·5	..	29	− 16
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1011·0	1015·8	+ 0·5	293·9	297·4	29th	285·1	283·5	18th	289·5	−0·1	*287·5*	0	− 3
1222	Santiago	33 27	70 42	520	954·7	1014·7	− 0·4	299·6	304·5	29th	281·8	279·0	17th	290·7	+0·5	289·8	0	− 5
1223	Cordoba	31 25	64 12	439	961·7	1011·9	− 0·9	..	..	..	..	..	..	294·5	−0·9	..	77	− 28
1224	Buenos Ayres	34 16	64 11	25·2	1009·4	1012·4	− 1·4	..	..	..	..	..	..	291·8	−1·1	..	83	+ 10
1225																		
1226	Montevideo	34 52	W56 12	29·3	1009·5	1012·9	+ 0·6	295·5	301·2	20th	285·9	280·7	6th	290·7	−0·8	291·5	63	+ 7
1239	Cape Town	33 56	E18 29	9	..	1015·1	− 0·6	296·8	302·8	1st	286·0	280·2	16th	291·4	+1·1	*292·2*	30	+ 2
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	18	..
1241	Heidelberg	34 5	20 58	1541	851·3	..	+ 1·8	300·2	303·1	27th	284·6	281·2	12th	292·4	+0·2	..	102	+ 61
1242	East London	33 2	27 55	10·1	1013·1	1014·3	− 0·8	296·3	300·8	6th, 7th	289·4	284·7	26th, 27th	292·9	+1·1	..	41	− 21
1259	Perth (Observatory)	31 57	115 51	60·0	..	1014·8	− 0·9	297·3	304·7	8th	286·3	283·0	10th	291·8	+0·2	..	5	− 15
1260	Katanning	33 42	117 35	309·7	..	1012·5	− 2·7	300·9	310·2	19th	284·0	278·7	1st	292·4	+2·1	..	2	− 13
1261	Coolgardie	30 57	121 10	423·3	..	1011·0	− 2·0	306·8	313·6	13th	287·9	282·0	1st	297·3	+2·8	..	2	− 13
1262	Eucla	31 45	128 58	4·6	..	1013·6	− 1·1	298·2	311·3	4th	287·3	278·0	1st	292·7	+0·8	..	0	− 17
1263	Streaky Bay	32 48	134 13	13·1	..	1014·5	− 0·6	301·9	312·2	29th	287·3	278·6	2nd	294·6	+2·1	..	8	− 9
1264	Adelaide	34 56	138 35	42·7	..	1014·8	− 0·2	302·3	312·3	30th	288·1	279·9	1st	295·2	+2·8	*294·7*	10	− 17
1265	Melbourne	37 49	144 57	35·1	..	1015·0	+ 0·7	296·6	313·7	30th	284·1	275·7	4th	290·3	+1·1	*290·1*	35	− 21
1266	Bourke	30 13	145 58	110·1	..	1014·2	− 0·2	306·4	314·2	11th	290·9	279·8	2nd	298·7	+0·3	..	28	− 4
1267	Sydney	33 51	151 13	44·5	..	1014·3	0·0	298·3	305·8	7th, 15th	288·9	282·4	4th	293·7	+1·3	..	48	− 26
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	92	− 21
1271	Auckland	36 50	174 50	38·1	..	..	..	291·1	294·1	18th, 19th	284·3	281·6	6th	287·7	−1·0	..	105	+ 23
1272																		
		S.	E.															

Between Latitude 40° S. and 50° S.

NOVEMBER—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	58	..	..	..	288·0	291·3	twice	280·4	274·1	7th	284·2	+0·2	..	96	+ 39
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	281·6	279·8	4th, 5th	..	−0·4	*282·6*	133	+ 33
1322	Punta Galera	40 1	73 44	40	1011·5	1016·3	− 1·1	288·1	290·4	26th	283·1	280·0	3rd, 6th	285·6	+1·0	*284·3*	124	+ 30
1323	Bahia Blanca	38 45	W62 12	20	1008·3	1010·6	+ 0·9	..	..	..	..	..	..	293·5	+0·1	..	30	− 26
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1009·2	+ 0·1	292·2	300·4	15th	282·4	276·2	4th	287·3	+0·2	*286·5*	31	− 33
1366	Launceston	41 27	147 10	9·4	..	1010·7	..	294·6	301·4	27th	281·3	275·8	19th	287·9	+0·4	..	5	− 42
1369																		
1370	Dunedin	45 52	170 31	90	..	1002·7	− 6·9	288·2	295·2	18th	278·9	274·1	6th	283·6	−1·2	..	164	+ 80
1371	Christchurch	43 32	172 38	7·6	..	1000·4	−10·0	291·9	298·8	18th	279·7	274·8	11th	285·8	−0·5	..	63	+ 9
1372	Wellington	41 16	174 46	33·5	..	1002·9	− 8·4	289·3	292·4	28th	283·4	278·1	25th	286·4	−0·5	..	54	− 33
		S.	E.															

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

NOVEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	995·6	1002·3	+5·4	286·8	287·8	24th	275·5	273·4	1st	281·2	+1·6	*279·3*	156	−93
1422	Puerto de Punta Arenas	53 10	70 54	4	999·6	1000·1	+3·6	285·3	288·5	22nd, 24th	278·3	275·6	20th	281·8	+0·5	280·9	36	+5
1423	Punta Dungeness	52 24	68 25	5	998·2	998·8	+0·1	284·3	288·8	24th	..	..	..	281·0	−0·1	*280·5*	2	−6
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	996·5	−3·0	281·2	287·4	26th	276·1	271·3	4th	278·7	−1·0	278·7	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	989·1	989·6	−2·2	277·4	282·3	1st	270·9	268·4	23rd	274·2	−2·0	*273·8*	105	−11
1430		S.	W.															

NOVEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

		S.	W.															
1527	South Orkneys	60 44	44 39	6·9	991·8	992·7	+3·8	270·7	275·2	..	266·2	261·4	..	268·4	−3·0	268·6	24	−15
1528																		

NOVEMBER—ZONE 16. Between Latitude 70° S. and 80° S.

		S.	W.															
1605	Framheim	78 38	163 37	11·1	998·4	999·9	..	..	267·8	27th	..	245·0	1st	258·3	..	..	..	..
1669		S.	E.															
1670	Cape Evans(McMurdo Sound)	77 38	166 24	18	..	1003·4	+8·9	..	270·1	..	..	252·8	..	..	−0·9	262·1	..	..
1671	Cape Adare	71 18	170 9	..	..	1001·0	..	..	272·4	..	..	258·0	..	..	..	265·7	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—NOVEMBER 1911.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction and Force.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a.m.	9 a.m.	9 p.m.	9 a.m.
1	SSE	8·2	SE 2	NE 2	NE 3	E 2	NE 3	SE 2	W 2	SW 2	SW 1	NE 3
2	SE by S	5·9	SE 4	W 2	E 2	W 2	E 3	NE 2	ESE 1	SW 1	SW 1	NE 2
3	SE by S	8·0	W 2	NW 2	Calm 0	W 3	E 3	SE 1	SE 1	SW 1	SW 1	NE 2
4	SE by S	7·3	NW 2	SW 2	NE 2	Calm 0	NE 1	NE 1	W 2	NW 1	N 1	Calm 0
5	SE by S	5·9	SW 2	S 2	NE 2	W 2	NE 1	SE 1	Calm 0	N 2	N 2	SE 1
6	SSE	4·3	SW 4	SW 2	Calm 0	Calm 0	E 2	E 2	Calm 0	SW 1	W 2	Calm 0
7	SSE	3·3	SW 2	SW 2	Calm 0	W 3	NE 2	E 1	SE 1	W 2	SW 1	Calm 0
8	SE	6·1	SE 2	Calm 0	Calm 0	W 3	NE 2	NE 1	SSE 4	SW 3	SW 3	E 1
9	SSE	7·6	SW 2	Calm 0	E 2	Calm 0	NE 2	NE 1	SE 2	SW 4	SW 3	NE 2
10	SE by S	7·5	NW 2	NW 2	NE 2	W 3	NE 1	NE 1	ESE 1	SW 2	SW 1	Calm 0
11	SSE	5·4	SW 2	SW 2	E 3	W 3	NW 1	NW 1	ESE 1	SW 8	SW 6	S 1
12	SSE	6·4	SE 2	Calm 0	NE 2	W 2	NW 1	NW 1	SE 2	SW 2	SW 2	E 2
13	SE by S	8·0	Calm 0	Calm 0	NW 2	W 2	NW 1	NW 1	Calm 0	SW 2	SW 3	SE 1
14	SSE	9·5	SE 2	Calm 0	W 2	W 3	NE 1	Calm 0	NW 2	SW 1	SW 1	SE 1
15	SE by S	8·4	Calm 0	Calm 0	Calm 0	W 3	NE 2	NE 2	Calm 0	SW 1	SW 2	NE 2
16	SE by S	7·0	SE 4	E 2	NE 2	SW 2	NE 2	NE 1	SE 2	SE 1	SE 1	NE 1
17	SE by S	3·2	E 4	NE 2	Calm 0	W 3	NE 2	NE 1	SE 3	SE 1	SE 1	E 3
18	SE by S	3·4	E 2	NE 4	Calm 0	W 2	NE 2	NE 1	SE 4	NE 1	NE 1	E 3
19	SSE	5·2	SE 2	E 2	NE 2	W 2	NE 2	NE 1	SE 4	NE 2	NE 2	NE 3
20	SE	4·5	SE 2	Calm 0	NE 3	W 3	NE 2	NE 1	SE 4	SE 1	SE 2	NE 3
21	ESE	5·6	Calm 0	Calm 0	NE 2	Calm 0	NE 3	NE 2	SE 1	SE 1	SW 1	NE 3
22	SE by S	5·2	SE 4	SE 4	NE 2	E 2	NE 4	NE 2	Calm 0	SW 1	SW 1	NE 3
23	SE	6·6	SE 4	E 2	E 3	W 2	NE 4	NE 1	S 1	SW 2	SW 3	E 1
24	ESE	4·6	SE 4	E 2	E 2	W 2	NE 1	NE 1	Calm 0	SW 2	SW 2	NE 2
25	SE by S	5·5	E 2	E 4	Calm 0	W 2	SE 1	SE 1	ESE 2	W 2	W 2	NE 3
26	SE by S	8·2	Calm 0	E 4	NE 2	Calm 0	NE 2	NE 2	SE 3	SW 2	SW 3	NE 4
27	SSE	10·0	E 4	NE 4	Calm 0	W 2	NE 2	Calm 0	SE 3	N 3	SW 1	NE 2
28	SE by S	8·3	SE 4	E 2	E 2	W 3	NE 2	NE 2	SE 2	SW 2	SW 1	NE 1
29	SE by S	7·2	Calm 0	E 4	Calm 0	W 2	NE 2	NE 1	SE 2	SW 4	SW 3	NE 4
30	SSE	8·6	SE 4	SE 5	Calm 0	Calm 0	NE 5	NE 6	Calm 0	Calm 0	Calm 0	E 1
Mean for Month	..	6·5	2·3	2·0	1·4	1·9	2·1	1·4	1·7	1·9	1·8	1·8
Deviation from Normal	..	−2·2	..	..	..	..	−1·2		..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—NOVEMBER 1911.

**Spitsbergen.*—"The Icefjord was ice-free throughout the month."

**White Sea.*—"Navigation to Archangel closed on 1st November."

**Denmark Strait.*—"On 14th November the 'Storis' appeared at Angmagsalik, forming a closely packed belt about 20 miles broad. The ice remained during the rest of the year." **Iceland.*—"The coasts were ice-free throughout the month."

North Atlantic and Labrador.—"On the Newfoundland Banks some icebergs were observed; also a few off Belle Isle Strait, but the Strait itself was ice-free."

**Behring Sea, Davis Strait, and Baffin Bay.*—"The west coast of Greenland was ice-free. On 6th November the last vessel left Nome, whence no ice was visible. On 22nd the first young ice was observed from Cape Nome, but it was not until 2nd December that the ice was firm."

* *Isforholdene i de arktiske Have, 1911 and 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, DECEMBER 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF DECEMBER 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. DECEMBER—ZONE 1.

No.	Name of Station	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	1004·3	1005·2	..	..	..	..	..	..	..	245·9	..	*245·8*	4	..
124																		
125	Upernivik	72 47	W56 7	18·9	1002·2	1004·8	−0·7	257·5	263·7	12th	251·4	242·0	30th	254·5	−1·5	*254·8*	5	−8
126																		
139	Spitsbergen	78 2	E 14 14	11·4	..	1010·8	+1·1	262·0	276·8	2nd	255·4	233·8	31st	258·7	..	257·7	45	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1007·0	1007·7	+4·3	..	279·8	1st	270·5	264·6	30th	..	+2·8	*272·6*	33	−34
142	Mehavn	71 1	27 47	6·4	1008·2	1008·7	..	..	279·2	1st	269·9	265·2	31st	..	..	*272·7*	28	−60
143	Vardö	70 22	31 8	10·0	1009·9	1010·7	+5·5	..	275·6	1st	269·7	265·3	30th	..	+2·9	*271·5*	43	−7
144																		
		N.	E.															

Between Latitude 70° N. and 60° N. DECEMBER—ZONE 2.

		N.	W.															
209	Dawson	64 4	139 20	321	970·5	1013·2	+0·7	254·7	273·0	..	248·1	235·2	..	251·4	+1·6	..	43	+14
210	Carcross	60 11	134 34	662	..	..	..	267·6	281·9	13th	260·4	240·8	30th	264·0	..	..	20	..
211																		
212	Fort Simpson	61 52	120 43	129	996·6	1014·4	..	254·4	262·4	..	246·3	229·1	..	250·4	..	*250·4*	8	..
213	Hay River	60 51	115 20	161	991·2	1012·7	..	259·9	271·4	14th	250·4	229·7	26th	255·2	..	..	4	..
214																		
225	Jacobshavn	69 13	51 2	12·6	998·4	1000·0	−3·2	261·2	265·3	20th	256·2	249·2	31st	258·7	−1·4	*258·6*	9	−2
226	Godthaab	64 11	51 44	9	994·3	995·5	−4·0	264·8	270·7	26th	261·2	256·8	7th	263·0	−2·3	*262·7*	3	−43
229	Angmagsalik	65 37	37 34	31·7	989·4	993·5	−3·5	270·9	277·6	19th	263·6	247·9	29th	267·3	..	..	64	..
230																		
231	Stykkisholm	66 5	22 46	11·3	985·2	986·7	−12·7	276·0	280·5	1st	271·8	263·9	28th	273·9	+2·9	*274·1*	47	−12
232	Vestmanno	63 26	20 15	7·7	982·6	983·5	−14·4	278·7	281·0	19th	274·7	268·5	9th	276·7	+2·8	*276·8*	113	−19
233	Grimsey (Akureyri)	66 33	17 58	6·8	990·0	990·9	−10·6	275·3	278·7	1st	270·7	259·8	27th	273·0	+1·9	*273·4*	8	−22
234	Berufjord	64 40	14 19	18	987·1	989·4	−12·0	277·5	281·2	19th	272·6	264·2	28th	275·1	+3·5	*275·3*	326	+200
235	Thorshavn	62 3	W6 45	25·7	990·2	993·3	−9·8	282·2	284·8	12th	276·4	271·7	28th	279·3	+2·9	..	139	−43
236																		
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1000·4	1005·7	−3·1	..	283·8	18th	276·0	271·1	30th	..	+3·1	*277·6*	126	−85
238	Christiansund	63 7	7 45	17·8	1003·4	1004·6	−1·7	..	281·8	18th	275·9	270·9	30th	..	+3·1	*278·0*	56	−57
239	Trondhjem	63 26	10 25	39·5	1003·6	1007·9	+0·2	..	280·6	19th	271·7	264·0	31st	..	+3·6	*274·1*	23	−64
240	Bodö	67 17	14 24	20·5	1005·6	1007·8	+2·5	..	280·4	1st	272·6	268·4	30th	..	+3·3	*274·9*	57	−27
241	Haparanda	65 50	24 9	9·2	1014·8	1016·0	+6·7	271·7	275·0	1st, 2nd	265·9	255·5	17th	268·8	+5·8	*269·3*	47	+15
242	Helsingfors	60 10	24 57	11·7	..	1018·4	+6·9	..	277	..	..	261	..	272·2	+3·3	*272·1*	48	+3
242a	Kuopio	62 54	27 40	99·7	..	1019·9	+7·7	..	274	..	..	252	..	269·2	+3·5	*269·1*	52	..
243	Kola	68 53	33 1	6·7	1013·8	1014·7	+7·3	..	275·6	1st	264·6	253·7	25th	267·7	+5·4	*267·7*	9	0
244	Petrozavodsk	61 47	34 23	38·9	1017·8	1022·8	+10·1	..	275·5	20th	..	..	..	268·6	+3·8	*268·5*	..	..
245	Arkhangelsk	64 33	40 32	6·7	..	1021·9	+11·2	..	273	..	..	258	..	267·1	+5·5	*267·1*	30	+10
246	Velsk	61 5	42 7	? 87	1015·2	1026·6	..	..	273·8	21st	264·5	259·5	29th	266·5	..	*266·4*	13	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1022·2	+8·4	..	273	..	..	244	..	262·8	+6·5	*262·7*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	? 123	1010·4	1026·4	..	..	271·6	1st	258·2	248·7	6th	261·0	..	*260·9*	28	..
249	Berezov	63 56	65 4	39·9	1018·0	1023·4	+6·8	..	274·3	2nd	252·0	239·6	23rd	257·1	+5·8	*257·0*	12	+1
250	Obdorsk	66 31	66 35	24·2	1017·2	1020·4	+7·2	..	274·6	2nd	251·7	238·7	23rd	256·5	+6·0	*256·4*	27	+17
251	Sourgout	61 15	73 24	40	1019·8	1025·3	+6·5	..	269·5	4th	248·6	229·0	17th	254·3	+2·6	*254·1*	20	+3
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	1015·4	1018·2	..	..	258·2	7th	239·2	225·3	26th	244·4	..	*244·4*	14	..
261	Olekminsk	60 22	120 26	? 202	1007·8	1036·9	+0·1	..	265·1	28th	235·7	223·8	6th	240·7	+2·0	*240·5*	13	..
262	Iakoutsk	62 1	129 43	? 108	1010·7	1026·9	+0·9	..	245·5	29th	228·1	213·2	31st	231·7	−1·1	*231·5*	10	+1
263	Verkhoïansk	67 33	133 24	? 100	1001·8	1016·8	−5·0	..	251·2	2nd	225·8	213·6	24th	230·2	+4·3	*230·2*	4	−1
264	Oust-Maïskoe	60 25	134 29	? 100	..	..	..	..	246·5	4th	237·1	214·2	31st	240·8	..	*240·6*	1	..
271	Markovo sur Anadyr	64 45	170 50	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272	Novo-Mariinskii Post	64 45	177 33	? 3	..	..	..	..	..	..	..	..	..	..	..	..	6	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a	a.	mm	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DECEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
307		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
308																		
309		N.	W.															
310	Prince Rupert	54 18	130 18	52	1001·7	1008·0	..	277·7	285·8	..	273·8	261·3	..	275·8	..	..	335	..
311	Barkerville	53 2	121 35	1274	..	1013·5	..	268·7	277·4	2nd, 3rd	262·7	244·1	31st	265·7	−2·1	*265·7*	97	+ 15
312	Kamloops	50 41	120 29	379	..	1017·1	− 1·8	273·3	288·0	7th	267·2	251·3	31st	270·2	−1·9	*270·2*	32	+ 11
313	Calgary	51 2	114 2	1033	..	1015·0	− 1·6	271·9	283·0	1st, 22nd	261·9	238·6	30th	266·9	+0·1	*266·9*	2	− 12
314	Fort Chipewyan	58 42	111 10	218	985·9	1014·6	..	263·6	273·0	4th	254·7	231·3	29th	259·1	..	*259·0*	..	..
315	Prince Albert	53 10	106 0	436	961·2	1017·6	+ 2·0	262·9	274·9	3rd	255·8	230·2	31st	259·2	+0·9	*259·2*	28	+ 9
316	Qu'Appelle	50 30	103 47	645	935·7	1017·2	+ 1·6	264·9	279·7	4th	258·9	238·0	29th	261·5	+1·4	*261·5*	14	− 1
317	Minnedosa	50 15	99 50	515	952·6	1020·7	..	265·1	275·0	..	256·8	234·1	..	260·9	+0·6	*260·9*	12	− 4
318	Berens River	52 18	97 23	216	..	..	..	263·3	271·9	..	253·9	228·8	..	258·6	..	*258·6*	74	..
318*a*	Fort Churchill	58 51	94 11	9	1021·8	1023·1	..	..	..	..	..	..	..	..	..	..	..	..
319	Fort Hope	51 32	87 48	..	984·3	..	..	263·4	274·7	24th	255·8	236·3	29th, 30th	259·6	..	..	8	..
320	Moose Factory	51 16	80 56	9	1016·8	1017·9	..	267·4	278·6	11th	258·4	235·8	31st	262·9	..	..	39	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
324	Nain	56 33	61 41	4·2	1009·4	1011·3	+3·8	262·7	272·4	..	255·8	247·0	..	259·3	+1·2	..	..	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	275·2	12th, 26th	..	251·3	31st	266·1	−1·3	..	67	−27·0
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	999·0	1000·6	−12·4	282·6	284·7	18th	278·6	274·7	23rd	280·6	+0·3	280·8	265	+107
335	Aberdeen	57 10	2 6	27·4	996·5	999·7	− 8·9	280·4	282·4	18th	276·4	273·0	8th	278·4	+2·1	278·7	138	+ 60
336	Greenwich	51 28	W o o	48·5	1002·1	1007·7	− 7·2	282·2	285·2	17th	277·3	271·3	8th	279·7	+2·6	279·9	102	+ 56
337	Uccle	50 48	E 4 22	100	999·5	1011·9	− 4·8	281·1	283·8	20th	276·5	273·0	7th	278·8	+3·2	279·0	101	+ 32
338	De Bilt	52 6	5 11	3·0	1010·6	1011·0	− 3·6	280·6	283·0	18th	275·4	272·8	2nd, 28th	278·0	+2	278·2	76	+ 9
338*a*	Hamburg	53 33	9 59	26·0	1009·6	1012·8	− 1·6	278·8	282·5	19th	275·4	272·2	14th	277·1	+3·8	276·8	64	+ 6
339	Copenhagen	55 41	12 36	5·0	1012·6	1013·2	− 0·8	277·6	279·7	1st	275·3	272·5	31st	276·5	+3·2	*276·7*	54	+ 13
340	Potsdam	52 23	13 4	84·9	1004·2	1014·8	− 1·1	277·3	280·2	22nd	273·0	270·4	14th	275·2	+1·9	274·9	53	+ 14
340*a*	Upsala	59 51	17 38	24·0	1012·3	1015·3	+ 4·1	274·7	278·3	19th	271·1	258·9	30th	272·9	+3·6	273·1	50	+ 11
341	Warsaw	52 15	21 1	127	1002·4	1018·4	− 2·0	275·0	278·6	21st	272·1	265·4	31st	273·6	+4·9	*272·7*	32	− 4
342	Jurjev	58 23	26 43	74·5	1011·0	1020·5	+ 7·3	271·2	274·7	..	267·7	256·8	..	269·4	+4·8	269·7	29	− 16
343	Petrograd	59 56	30 16	4·8	..	1021·5	+ 8·8	..	276	..	..	257	..	269·6	+3·0	*269·5*	25	− 5
344	Kiev	50 27	30 30	182·9	..	1023·9	+ 5·2	..	274	..	..	262	..	269·0	+0·3	*268·9*	15	− 25
344*a*	Moscow	55 45	37 34	156	1007·4	1027·6	+10·1	268·4	274·4	23rd	264·7	259·1	31st	266·6	+4·3	266·7	23	− 15
345	Saratov	51 32	46 3	59·9	..	1031·0	+10·9	..	273	..	..	257	..	265·4	+0·3	*265·3*	9	− 31
346	Kazan	55 47	49 8	79·8	1020·0	1030·4	+10·0	..	273·3	23rd	..	257·3	25th	265·2	+3·8	*265·2*	16	− 4
347	Orenburg	51 45	55 6	114·1	..	1032·6	+ 8·0	..	272	..	..	254	..	262·9	+1·7	*262·7*	8	− 22
348	Perm	58 1	56 15	163·0	..	1029·5	+ 9·5	..	271	..	..	255	..	262·9	+3·8	*262·8*	30	+ 5
349	Ekaterinburg	56 50	60 38	288·9	..	1029·8	+ 8·0	..	272	..	..	253	..	261·9	+3·3	*261·7*	14	+ 4
350	Tobolsk	58 12	68 14	108·3	1014·0	1028·6	..	..	271·6	4th	256·1	243·1	17th	259·2	+3·1	*259·0*	23	+ 0
351	Akmolinsk	51 12	71 23	? 347	987·0	1032·8	+ 1·7	..	268·1	1st	255·5	247·7	13th	259·2	+0·9	*259·0*	18	+ 8
352	Omsk	54 58	73 23	87·3	1017·6	1029·5	+ 4·1	..	271·0	1st	252·9	236·8	17th, 18th	257·7	+0·1	*257·5*	22	− 1
353	Barnaoul	53 20	83 47	157·7	1012·0	1033·4	+ 3·0	..	269·0	1st	250·1	237·1	31st	256·1	−1·4	*255·9*	56	+ 30
354	Tomsk	56 30	84 58	121·6	1014·0	1030·8	+ 3·7	..	263·5	26th	249·5	235·8	4th	253·7	−2·5	*253·5*	29	− 15
355	Minousinsk	53 43	91 41	? 255	1000·7	1035·2	..	..	270·0	* 1st	248·9	236·1	19th, 20th	254·9	..	*254·7*	9	− 4
356	Eniseisk	58 27	92 11	84·4	1017·9	1029·7	+ 2·3	..	264·8	27th	244·3	227·5	18th, 30th	250·2	−2·1	*250·0*	43	+ 16
357	Irkutsk	52 16	104 19	467·0	971·0	1035·0	+ 3·0	..	262·6	5th, 9th	246·1	234·3	4th	251·6	−4·3	*251·3*	12	− 5
358	Kirensk	57 47	108 7	? 263	995·9	1032·8	..	..	266·0	28th	239·8	224·7	31st	245·0	..	*244·8*	13	..
359	Tchita	52 2	113 30	673·8	941·4	1032·2	..	..	263·0	3rd	240·3	233·8	11th	245·8	..	..	4	..
360	Blagoveshchensk Priisk	58 10	114 17	? 490	966·3	1035·3	..	..	263·6	28th	235·1	225·3	8th	239·9	..	*239·7*	11	+ 9
360*a*	Nertchinsk	51 59	116 35	484·3	964·6	1032·1	..	..	261·7	29th	236·4	230·4	20th	241·6	−6·9	*241·3*	2	− 2
361	Tygan Ourkan	54 5	124 46	? 370	976·3	1027·7	..	..	259·0	26th	237·5	227·5	31st	244·5	..	*244·2*	2	..
362	Blagoveshchensk	50 15	127 38	? 160	..	1027·1	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	? 168	..	..	..	..	263·5	1st	235·7	229·3	20th	242·9	..	*242·7*	2	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1011·9	1014·7	+ 1·2	..	271·7	7th	249·5	236·6	20th	254·4	+1·4	*254·2*	36	+ 17
366	Okhotsk	59 21	143 17	6·0	1010·2	1011·0	− 1·3	..	266·6	5th	243·9	237·4	27th	248·0	−2·2	..	5	+ 1
367																		
368	Petropavlovsk Phare	52 53	158 47	87·1	991·9	1003·7	+ 1·7	..	273·8	8th	263·0	254·7	28th	265·0	−1·2	..	107	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

DECEMBER—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	25·9	..	1017·6	+1·0	280·2	283·1	22nd	276·2	271·9	20th	278·2	−0·8	278·3	71	− 88
412	Portland, Oregon	45 32	122 41	46·6	1015·4	1021·0	+2·7	280·5	285·8	10th	275·9	271·3	29th	278·2	+0·1	*278·0*	120	− 66
413	Macleod	49 44	113 24	954	..	..	..	273·4	285·8	4th, 5th	263·9	235·8	28th	268·9	−1·8	*268·9*	18	− 34
414	Helena	46 34	112 4	1253	872·6	1019·6	−0·7	271·9	280·8	8th	264·0	244·7	29th	268·0	−1·0	*268·0*	8	− 13
414*a*	Salt Lake City	40 46	111 54	1331	868·4	1020·3	−0·7	274·6	285·2	6th	266·9	261·9	25th	270·8	−2·3	*270·6*	29	− 5
415	Cheyenne	41 8	104 48	1856	809·2	1018·9	0·0	274·4	289·1	4th	262·7	253·6	29th	268·6	−2·8	*268·3*	7	− 1
416	North Platte	41 8	100 45	860	917·3	1021·0	+1·7	274·6	285·8	6th	261·3	247·4	31st	267·9	−2·1	*267·6*	17	+ 5
416*a*	Bismarck	46 47	100 38	510·2	956·3	1020·0	+1·4	268·9	283·0	9th	260·2	243·0	31st	264·6	+1·0	*264·5*	8	− 8
417	Winnipeg	49 53	97 7	231·6	..	1019·0	+1·7	265·8	276·6	8th	258·4	237·8	29th	262·1	+2·8	*262·1*	15	− 3
418	Duluth	46 47	92 6	345·3	974·5	1017·6	0·0	269·8	277·4	9th	263·2	248·0	28th	266·4	+1·4	*266·5*	55	+ 24
419	Port Arthur	48 27	89 12	196·3	..	1018·2	+1·6	270·6	276·9	5th, 12th	262·2	246·3	29th	266·4	+3·2	*266·4*	27	+ 9
420	Chicago	41 53	87 37	250·9	988·9	1020·0	+1·4	277·5	288·6	10th	271·8	258·0	28th	274·7	+3·2	*274·8*	65	+ 12
421	Toronto	43 40	79 24	106·7	..	1020·2	+2·3	277·1	285·6	10th	271·0	260·3	4th	274·1	+3·4	273·4	72	+ 6
422	New York	40 43	74 0	96	1009·5	1021·3	+2·4	280·5	288·6	12th	273·5	265·2	5th	277·0	+2·9	277·1	86	− 2
423	St. John, N.B.	45 17	66 4	21·3	..	1017·9	+2·0	274·7	284·1	11th	268·2	256·9	31st	271·4	+2·8	*271·6*	75	− 27
424	S. W. Point, Anticosti	49 24	63 35	9	1013·2	1014·4	+3·2	270·6	277·4	..	262·2	253·0	..	266·4	..	..	20	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1015·8	1016·7	..	277·2	283·0	..	272·7	265·8	..	275·0	..	..	84	..
426	St. Johns, Newfoundland	47 34	52 42	38·1	..	1008·2	−2·6	272·9	280·2	12th	266·1	259·1	23rd	269·5	−1·8	..	117	− 21
435	Madrid	40 24	3 41	655·4	946·0	1024·5	+2·7	283·0	289·4	20th	275·3	270·8	28th	279·2	+4·1	279·3	49	+ 8
436	Nantes	47 15	W 1 34	41·4	1009·3	1014·4	−4·4	283·7	286·0	19th	279·5	273·0	8th	281·6	+3·1	*281·4*	169	+ 84
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1007·8	1013·9	−4·1	282·5	285·5	13th	276·7	271·9	8th	279·6	+4·1	279·8	97	+ 51
438	Marseilles	43 18	5 23	75·0	1008·8	1018·0	+1·7	287·0	291·0	20th	278·8	274·4	10th	282·9	+2·6	*282·4*	38	− 21
438*a*	Zürich	47 23	8 33	493·2	959·1	1019·5	+1·1	..	282·4	21st	..	270·3	17th	275·9	+3·5	275·9	71	− 3
439	Rome	41 54	12 29	63·4	..	1017·6	+2·0	286·2	289	15th, 17th	279·0	274	20th	282·6	+1·3	*282·3*	74	− 16
440	Vienna	48 15	16 22	202·5	992·3	1017·5	−1·9	277·8	280·4	21st, 22nd	274·1	271·3	31st	276·0	+3·4	275·8	64	+ 22
440*a*	Buda-Pesth	47 30	19 2	129·6	1002·8	1019·0	−0·6	278·3	281·4	21st	274·4	269·1	31st	276·4	+4·1	*276·1*	57	+ 7
441	Bucharest	45 25	26 6	82	1011·1	1021·5	+0·9	274·9	279·2	9th	271·5	268·7	21st	273·2	+1·4	..	100	+ 56
442																		
443	Odessa (University)	46 29	30 46	65·3	1014·0	1022·3	+2·9	275·1	281·2	22nd	271·0	265·7	19th	273·1	+0·4	*272·2*	38	+ 5
444	Kharkov (University)	50 0	36 14	140	..	1027·4	+7·0	..	274	..	..	255	..	266·9	−0·6	*266·8*	21	− 14
444*a*	Novorossiisk	44 40	37 49	37	..	1019·1	−1·0	..	286	..	..	266	..	278·3	+1·1	*278·2*	15	− 70
445	Tiflis	41 43	44 48	409	..	1023·6	+1·0	..	277	..	..	259	..	275·8	−0·2	*275·7*	10	− 10
446	Astrakhan	46 21	48 2	−14	..	1028·4	+5·8	..	278·7	1st	268·3	259·2	16th	268·7	−1·0	*268·6*	17	+ 7
447	Fort Alexandrovsk	44 31	50 16	24	1022·6	1025·7	+3·4	..	278·7	1st	268·3	259·2	16th	270·6	−2·4	*270·5*	18	+ 6
448	Krasnovodsk	40 0	52 59	−15	..	1024·0	+1·2	..	287	..	..	265	..	276·3	−2·1	*276·2*	..	..
449	Tachkent	41 20	69 18	478·3	969·2	1029·0	+2·4	..	286·7	31st	266·5	257·6	23rd	271·3	−4·1	*271·2*	43	− 4
450	Irgiz	48 37	61 16	112	1015·4	1030·4	..	..	272·0	31st	..	..	..	..	..	..	0	− 11
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	278·0	2nd	258·9	247·9	29th	265·0	+4·9	*264·9*	0	− 11
452	Vernyi	43 16	76 53	? 835	927·9	1032·5	+3·8	..	279·2	30th	..	..	..	265·0	−2·2	*264·9*	15	− 21
461	Mukden	41 48	123 23	43·8	1023·2	1029·0	+3·4	269·5	278·1	18th	258·0	252·5	20th, 27th	263·8	+0·1	..	6	− 1
462	Joshin	40 40	129 11	4·0	1022·6	1023·1	+3·3	275·2	281·3	2nd	264·4	258·1	21st	269·7	+0·6	..	18	− 22
463	Vladivostok	43 7	131 54	15·7	1022·0	1024·0	+3·0	..	278·0	1st	260·2	252·5	20th	264·0	+1·5	*263·9*	8	+ 2
464																		
465	Ochiai	47 20	142 44	15·0	1010·7	1012·7	..	269·3	276·2	2nd, 5th	256·1	241·5	21st	262·7	..	263·7	67	..
466	Nemuro	43 20	145 35	26·7	1009·2	1012·6	+1·5	275·3	282·6	5th	266·6	260·4	30th	271·4	−0·1	271·2	46	− 15
		N.	E.															

Between Latitude 40° N. and 30° N.

DECEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		N.	W.															
511	San Francisco	37 48	122 26	47·2	1014·7	1020·6	+0·7	287·2	294·7	13th	280·7	276·9	29th	283·9	+0·4	*283·7*	65	− 63
512	San Luis Obispo	35 18	120 39	61·3	1012·7	1020·3	+0·7	288·6	298·6	1st	277·4	270·8	27th	283·0	−1·6	*282·8*	95	− 20
513	Modena	37 48	113 54	1670	832·7	1020·0	0·0	275·6	285·2	3rd	259·6	245·8	30th	267·6	−5·3	*267·4*	19	+ 5
514	San Diego	32 43	117 10	26·5	1014·6	1017·9	−0·3	289·6	298·6	2nd	280·2	275·2	26th	284·9	−1·3	*284·6*	35	− 19
515	Santa Fé	35 41	105 57	2138	783·5	1018·6	+0·7	275·0	284·1	4th	262·2	251·9	26th	268·6	−3·5	*268·2*	6	− 14
516	Denver	39 45	105 0	1613	834·6	1018·3	−0·3	277·3	291·9	4th	263·7	252·4	29th	270·4	−2·7	*270·1*	9	− 7
517	Abilene	32 23	99 40	529·7	956·3	1018·9	−0·7	283·7	292·4	2nd	274·4	263·6	31st	279·1	−1·1	*278·8*	160	+131
518	Saint Louis	38 38	90 12	172·8	999·2	1020·3	0·0	280·1	291·3	10th	273·1	261·9	31st	276·6	+1·6	*276·5*	42	− 14
519	Mobile	30 41	88 2	17·4	1017·9	1020·0	−1·0	290·9	295·2	26th	282·8	273·0	1st	286·9	+3·1	*286·6*	255	+139
520	Nashville	36 10	86 47	166·4	1001·8	1022·0	+1·0	285·0	292·4	8th	275·9	266·3	28th	280·4	+2·4	*280·2*	280	+183
521	Charleston	32 47	79 56	14·6	1020·5	1022·3	+1·4	289·8	296·3	15th	281·5	272·4	1st	285·7	+1·9	*285·4*	92	+ 12
522	Washington	38 54	77 3	34·1	1018·4	1022·7	+2·4	282·1	292·4	11th	273·8	267·4	20th	278·0	+2·7	*277·9*	85	+ 5
523																		
524	Bermuda	32 17	64 46	46·0	..	1021·2	+1·3	293·9	296·1	28th	289·4	285·8	21st	291·7	+0·4	..	83	− 43
531	Horta	38 32	28 38	30	..	1016·2	−3·8	290·2	292	sev. dates	287·3	283	24th, 29th	288·8	−0·1	..	88	0
532	Ponta Delgada	37 44	25 40	17	..	1017·9	−1·2	290·0	291	sev. dates	286·5	282	29th	288·2	0·0	..	87	− 26
533	Madeira (Funchal)	32 37	16 54	25	1022·1	1025·1	+5·1	292·5	294·1	20th	283·4	281·0	30th	287·9	−0·3	..	73	− 42
534	Lisbon	38 43	9 9	95·4	1011·6	1023·2	+3·0	287·8	290·1	18th	283·7	278·6	28th	285·7	+1·8	*285·6*	123	+ 19
535	Casablanca	33 37	7 35	17	1022·4	1024·5	..	291·2	293·5	..	284·4	280·5	..	287·8	+1·2	*286·4*	18	− 36
536	Gibraltar	36 6	5 21	16	1019·0	1020·9	+2·0	290·8	293·9	28th	283·1	279·1	11th	287·0	+0·6	*287·0*	85	− 69
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DECEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1017·0	1021·6	+5·7	292·5	297·3	20th	285·6	283·8	17th	289·1	+1·9	*288·9*	40	— 76
538	Palma	39 33	2 42	23	..	1021·0	+3·3	290·1	292	sev. dates	283·0	280	31st	286·6	+2·9	..	38	— 22
538*a*	Tunis	36 48	10 10	43	1016·6	1021·8	+3·4	290·8	297·0	15th	282·5	277·5	20th	286·7	+1·0	..	20	— 56
539	Malta	35 54	14 31	59	..	1019·5	+2·7	290·6	293	15th	286·4	284	31st	288·5	+1·7	..	71	— 33
540	Catania	37 30	15 3	64·9	1010·1	1018·0	+2·2	289·9	293·7	23rd	283·6	279·2	30th	286·8	+1·8	..	146	+ 38
541	Athens	37 58	23 43	107·1	..	1017·5	+0·5	286·4	291	3rd	280·9	277	sev. dates	283·6	−0·2	*283·3*	88	+ 22
542	Alexandria	31 9	29 54	32·0	..	1016·6	−2·0	293·7	299	2nd	286·6	282	30th	290·2	+1·1	*290·2*	29	+ 10
543	Cairo (Helwan)	29 52	31 20	115·6	..	1018·2	−1·5	293·0	298	10th	283·0	279	30th	288·0	+0·4	287·6	3	+ 1
544	Nicosia	35 12	33 24	152	..	1014·8	−3·8	290·3	294	7th	277·3	276	18, 21, 24	283·8	−0·3	..	163	+ 86
544*a*	Beirut	33 54	35 28	52·4	..	1014·7	−2·5	292·2	297	11th	285·8	282	30th	289·0	+0·4	..	277	+ 80
545	Baghdad	33 21	44 28	38·7	1014·7	1019·4	−0·7	290·4	296·4	1st	280·1	276·2	11th	285·1	+0·5	..	37	+ 7
546	Lenkoran	38 46	48 52	−19	1025·4	1023·1	+1·4	..	284·6	1st	276·9	273·0	17th	278·6	−1·5	*278·4*	196	+ 84
547	Busrah	30 31	47 53	7·6	1018·8	1019·9	−2·3	290·4	295·5	2nd	283·2	279·2	19th	286·8	+1·1	..	102	+ 81
548	Meshed	36 16	59 35	946	910·6	1023·5	..	280·9	288·8	27th	269·7	261·7	19th	275·3	−2·0	..	12	— 8
549	Quetta	30 11	67 3	1677	837·1	..	+0·5	285·6	290·3	29th	271·0	267·6	17th	278·3	−0·9	*277·8*	14	— 10
550																		
551	Lahore	31 34	74 20	214	993·6	1019·9	+0·1	295·2	297·1	1st, 2nd	277·6	275·9	4th, 22nd	286·4	−0·3	*285·2*	0	— 10
551*a*	Simla	31 7	77 8	2204·3	782·9	..	0·0	283·4	287·4	11th	277·2	275·2	23rd	280·3	+0·5	*279·8*	3	— 29
552	Leh	34 10	77 42	3506	666·1	..	−1·1	274·1	277·9	1st	261·1	258·0	23rd, 25th	267·6	−0·9	*266·5*	0	— 4
552*a*	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	0	— 22
559	Hang Kow	30 35	114 17	37·0	1024·5	1029·1	+1·0	280·9	288·7	1st	275·5	270·6	22nd	278·2	−2·0	..	21	+ 4
560	Tiensin	39 10	117 10	5·0	1029·8	1030·4	+2·9	274·1	279·3	1st	265·9	261·4	6, 21, 22	270·0	−1·6	..	1	— 2
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1026·3	1027·1	+1·2	282·8	292·2	18th	276·4	269·8	30th	279·6	+0·8	279·1	100	+ 70
562	Chemulpo	37 29	126 32	67·6	1019·1	1027·9	+3·8	274·3	281·9	4th, 5th	267·4	261·0	21st, 22nd	270·9	−2·7	270·7	14	— 9
562*a*	Nagasaki	32 44	129 52	133·0	1007·7	1024·2	+2·2	283·3	291·7	19th	276·9	274·0	15th	280·1	−1·0	279·9	78	— 10
563	Kioto	35 1	135 46	49·4	1016·1	1022·2	+2·3	284·5	291·3	3rd	271·6	267·1	31st	278·1	+0·2	277·2	40	— 13
564	Tokio	35 41	139 45	21·3	1016·3	1018·9	+2·9	283·1	289·1	20th	273·7	269·6	30th	278·4	−0·3	278·0	32	— 26
565	Miyako	39 38	141 59	30·4	1013·5	1017·3	+2·6	282·9	292·3	5th	269·5	264·3	15th	276·2	−0·1	275·0	26	— 49
566		N.	E.															

DECEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1015·9	1017·2	+2·5	298·2	300·2	..	292·7	290·8	..	295·4	+0·1	..	75	— 43
606																		
615	Zacatecas	22 47	102 35	2610	745·1	..	..	284·7	287·8	8th, 11th	276·5	272·4	15th	280·6	..	..	13	..
616	Leon	21 7	101 41	1798·6	822·2	..	−2·0	293·4	296·5	10th, 11th	281·8	277·2	17th	287·6	+1·0	..	10	— 1
617	Galveston	29 18	94 50	16·5	1017·1	1019·3	−0·7	287·9	293·0	25th	282·6	277·4	28th	285·3	−1·2	*285·3*	254	+159
618	New Orleans	29 58	90 4	15·5	1017·6	1019·6	−0·7	291·2	298·0	26th	283·4	274·7	28th	287·3	+1·9	*287·0*	207	+ 93
619	Havana	23 8	82 22	24·3	..	1017·5	−0·4	..	303·6	22nd	..	289·4	1st	296·4	+1·3	*296·3*	10	— 51
620	Key West	24 33	81 48	6·7	1017·2	1017·9	−0·7	297·5	300·8	23rd	293·5	285·8	1st	295·5	+1·3	*295·4*	16	— 31
621	Nassau, Bahamas	25 5	77 21	7·6	1020·1	1021·0	+2·1	298·7	301·3	18th, 24th	294·4	289·1	10th	296·6	+1·5	..	18	— 12
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	294·0	298·9	..	285·9	284·1	..	289·9	−0·4	..	2	— 62
634	Las Palmas, Canary Islands	28 7	W15 26	7	1022·6	1023·4	+2·0	298·9	302·6	23rd	287·5	285·4	19th	293·2	+1·6	..	1	— 35
637	Insalah	27 17	E 2 27	330	985·6	1024·7	+0·5	296·1	300·0	16th	281·1	277·0	24th	288·6	+1·1	*287·8*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1022·6	+0·4	296·3	300	10th	279·4	274	28th	287·8	−0·4	*288·7*	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1017·1	−2·0	297·2	305	2nd	281·2	275	29th	289·2	−1·3	*288·9*	..	..
643	Suez	29 57	32 32	3·4	..	1017·6	−0·7	294·3	297	1st	285·6	283	19th, 20th	290·0	+1·4	..	2	— 1
644	Aswan	24 2	32 53	99·6	..	1018·8	+0·3	296·7	303	2nd	284·2	281	28th	290·4	−0·8	*290·8*	..	..
647	Bushire	28 59	50 53	4	1017·4	1018·0	−1·6	293·6	297·9	31st	286·4	283·6	24th	290·0	+0·2	..	50	— 35
648	Jask	25 44	57 47	4	1017·8	1018·2	−0·7	298·5	301·5	2nd	290·2	285·9	12th	294·4	−0·3	..	9	— 23
649	Kurrachee	24 53	66 57	4	1018·1	1018·6	+0·2	299·0	301·3	1st, 4th	287·9	286·1	7th	293·5	−0·3	*293·1*	0	— 3
650	Hyderabad, Sind	25 24	68 18	29	1015·3	1018·8	0·0	298·9	301·9	31st	284·2	280·5	18th	291·5	−0·2	..	0	— 1
651	Jaipur	26 56	75 52	436	968·5	1019·6	−0·1	298·7	301·2	10th, 13th	282·3	277·8	21st	290·6	+0·1	*289·5*	0	— 6
652	Nagpur	21 8	79 5	310	982·0	1018·3	+0·3	300·1	302·2	2nd, 19th	285·4	279·8	30th	292·8	−0·2	*292·4*	0	— 14
653	Allahabad	25 25	81 51	91	1007·6	1018·9	+0·3	296·2	298·9	12th	281·0	278·3	22nd, 23rd	288·6	−0·9	*287·5*	0	— 7
654	Calcutta	22 36	88 23	6	1016·9	1017·6	+0·3	297·9	299·6	19th	285·1	282·2	23rd	291·4	−0·6	*290·8*	0	— 5
655	Gauhati	26 8	91 41	59	1011·6	1018·7	..	296·0	297·9	2, 3, 4	283·4	280·8	26th	289·7	..	..	0	— 2
655*a*	Cherrapunji	25 15	91 42	1313	871·3	..	..	288·9	292·8	4th	280·4	277·2	24th	284·7	..	..	0	— 6
656	Shillong	25 33	91 48	1500	852·0	..	..	288·8	291·3	4th	276·3	273·4	24th	282·6	..	..	0	— 5
656*a*	Akyab	20 11	92 56	6	1014·8	1015·6	−0·1	299·6	303·2	4th	289·1	285·8	26th, 28th	294·3	−1·3	*293·6*	4	— 14
657	Phu Lien	20 48	106 37	115·6	1004·8	1018·5	−1·4	295·3	301·6	6th	289·4	285·9	10th, 29th	292·4	+1·0	291·7	15	— 16
658	Moncay	21 31	107 51	10	1018·0	1019·2	−0·7	293·7	299·1	5th	287·1	281·5	17th	290·4	0·0	*289·6*	18	— 3
659																		
660	Hong Kong	22 18	114 10	33·2	1015·2	1019·2	−0·6	293·3	296·9	19th	288·8	284·7	15th, 29th	291·1	+0·9	290·9	2	— 28
661	Taihoku, Formosa	25 2	121 31	9·3	1019·2	1020·3	−0·4	294·4	301·5	24th	288·6	286·3	15th	291·5	+1·6	290·9	41	— 53
662	Naha	26 13	127 41	10·5	1018·6	1019·8	−0·4	294·6	299·2	4th	289·1	286·1	29th	291·9	+1·4	291·7	192	+ 81
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DECEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 14	100 7	1933	809·7	..	..	292·2	294·8	11th	280·2	277·7	16th	287·2	..	*286·9*	12	..
717	Salina Cruz	16 12	95 16	56·3	1006·1	1012·7	..	..	303·4	11th, 18th	..	291·8	5th, 6th	297·7	..	..	0	..
718	Mexico	19 26	99 8	2280	779·3	..	−0·8	292·2	295·7	22nd	279·5	275·2	28th	285·9	+0·6	285·7	4	— 4
718*a*	Oaxaca	17 4	96 44	1563	846·6	..	..	299·8	304·2	30th	281·7	278·8	5th	290·8	..	*290·5*	0	..
719	Belize	17 29	88 12	2·1	1015·3	1015·5	−2·0	300·8	304·1	16th	294·3	290·8	1st	297·6	+0·3	*296·8*	160	— 42
720	San Salvador	13 44	89 9	657	937·7	1011·4	−0·2	303·0	306·4	18th	289·4	286·4	14th	296·2	+0·9	..	0	— 9
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·5	−1·1	302·4	304·4	16th	294·0	291·7	24th	298·2	−0·2	*297·6*	76	+ 22
722	Port au Prince	18 34	72 22	37·4	1009·5	1013·8	+1·7	303·8	305·7	..	294·2	291·4	..	299·0	+0·4	298·3	23	— 24
723	St. Croix (Christiansted)	17 45	64 42	6·6	1011·5	1012·4	..	300·9	303·0	..	296·4	294·0	..	298·7	..	..	179	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	994·0	1011·9	−0·1	300·8	303·0	1st, 26th	296·3	294·7	29th	298·6	0·0	*298·0*	143	— 52
725	Barbados	13 8	59 36	55·2	..	1010·9	+0·4	301·1	302·7	..	297·2	292·3	..	299·2	+0·4	*299·0*	31	— 62
731	St. Vincent, C. Verde Is.	16 54	25 4	11	1015·9	1017·2	+2·7	297·8	299·0	30th, 31st	293·6	290·0	4th, 5th	295·7	−0·6	..	11	0
732	San Tiago, C. Verde Is.	14 54	23 31	34	1014·2	1018·2	..	299·0	301·0	28th, 31st	294·6	292·8	4th	296·8	+0·2	..	4	— 8
733	Bathurst	13 24	16 36	1·5	1012·3	1012·5	+0·1	302·8	306·9	14th	292·1	289·7	11, 12, 27	297·4	+0·3	*297·4*	1	— 2
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	307·9	311·3	17th	287·7	282·4	11th	297·8	−0·4	..	2	0
735	Ségou	13 34	6 17	? 272	..	..	..	..	..	..	289·0	286·0	9th	..	..	..	0	..
736	Timbouctoo	16 43	W 2 52	250	984·9	1013·8	+0·8	303·0	306·0	..	289·3	280·0	..	293·2	−1·9	*292·9*	0	..
737	Sokoto	13 2	E 5 14	354	..	..	..	302·4	306·3	3rd	289·0	284·7	24th, 25th	295·7	−0·6	..	0	0
738	Kontagora	10 24	5 24	400	..	..	..	306·8	309·1	29, 30, 31	288·7	280·8	29th	297·8	−0·1	..	10	— 13
739	Maiduguri	11 48	13 12	370	..	..	..	304·9	310·2	8th	286·4	283·6	23rd	295·7	−0·4	..	0	0
740	Katagum	12 17	10 22	329	..	..	..	305·3	309·7	7th	285·7	281·9	24th, 25th	295·5	−0·4	..	0	0
742																		
743	El Obeid	13 11	30 14	585	..	1016·0	+0·1	302·3	306·1	6th, 10th	284·5	279·4	23rd	293·4	−0·9	*293·9*	0	0
744	Khartoum	15 37	32 33	390	..	1014·8	+0·9	302·8	307·2	10th	288·4	284·2	31st	295·6	−0·4	*295·6*	0	0
746	Aden	12 45	45 3	28·7	1013·0	1016·3	−0·3	300·2	301·7	3rd	296·1	294·9	22nd	298·1	−0·1	*297·7*	0	— 7
751	Bombay	18 54	72 49	11·3	1013·5	1014·8	−0·7	304·0	305·8	15th	296·1	294·1	20th	300·0	+1·9	*299·6*	0	— 2
752	Mysore	12 18	76 40	768	929·2	1014·4	−0·5	300·2	303·0	1st	289·9	286·3	20th	295·1	+0·6	295·1	14	+ 3
752*a*	Kodaikanal	10 13	77 28	2343	772·0	..	0·0	288·8	291·6	19th, 30th	283·0	280·2	28th	285·9	+0·2	285·3	165	+ 61
753	Madras	13 4	80 14	6·7	1013·5	1014·4	−0·5	301·4	303·8	1st	295·1	291·1	31st	298·2	+0·5	297·8	162	+ 3
754	Waltair	17 45	83 16	68·9	1008·9	1016·9	+0·3	299·6	301·1	3rd	293·2	290·7	24, 26, 29	296·4	..	*296·0*	32	+ 5
755	Port Blair	11 40	92 40	17·7	1010·9	1012·8	0·0	302·8	304·8	11th	298·4	296·3	21st	300·7	+0·3	*300·3*	247	+ 74
756	Rangoon	16 46	95 48	5·5	1014·0	1014·6	−0·4	305·5	306·9	22nd	294·3	292·4	14, 15, 30	299·9	+1·7	*299·0*	0	— 4
757	Saigon	10 46	106 42	11·2	1009·9	1011·2	+0·2	307·7	309·3	19th	294·2	291·6	13th	301·0	+2·0	..	28	— 52
758	Nhatrang	12 16	109 12	6·8	1013·0	1013·8	+0·6	302·9	305·8	2nd	294·8	292·6	11th	298·9	+1·1	..	86	— 121
759	Bolinao	16 24	119 53	7·5	..	1011·5	+0·6	303·8	305·7	18th	294·6	291·6	31st	299·2	..	..	33	+ 17
760	Vigan	17 34	120 23	14·7	..	1011·6	+0·3	303·1	304·9	3rd	294·5	293·1	26th	298·8	−0·8	298·4	34	+ 24
761	Manila	14 35	120 59	14·2	..	1012·0	+0·5	305·0	306·5	24th, 25th	293·1	290·2	23rd	299·1	−0·3	297·9	8	— 53
762	Ormoc	11 0	124 36	5·6	..	1010·6	+1·1	303·5	305·0	16th	295·0	292·5	19th	299·3	+0·5	299·0	42	— 139
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	301·6	302·4	7th	297·5	296·2	12th, 13th	299·6	..	..	51	..
		N.	E.															

Between Latitude 10° N. and 0°.

DECEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	1009·9	1010·3	−0·6	302·6	304·7	8, 9, 11	297·8	296·1	20th	300·2	+0·1	*299·4*	662	+438
819	Culebra	9 10	79 40	123·1	..	1009·2	−0·8	304·1	306·3	21st	294·7	293·0	13th	299·4	+0·3	..	8	−190
822																		
823	El Peru, Guayanavieja	7 30	62 0	? 300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1012·3	1012·5	+1·4	303·0	304·5	8th	297·0	295·2	27th	300·0	+0·7	..	61	−236
826	Paramaribo	5 49	55 9	4	1012·2	1012·7	..	303·3	304·8	9th	295·5	291·0	27th	299·4	..	299·4	46	−177
826*a*	Cayenne	4 56	52 21	6	..	..	..	302·4	304·0	3rd	296·8	295·0	2, 15, 27	299·6	−0·5	..	138	— 76
833	Conakry	9 31	13 43	16	1009·1	1000·9	−0·1	303·9	306·2	..	296·1	294·3	..	300·0	−0·1	..	0	— 8
834	Sierra Leone	8 30	13 9	68·3	1002·7	1010·5	−0·3	305·0	306·6	25th	295·7	293·1	10th	300·4	−0·3	..	23	— 14
835	Cape Coast Castle	5 5	1 13	..	..	..	..	303·0	308·6	4, 13, 17	294·3	289·7	8th	298·7	−1·4	..	5	— 23
836	Accra	5 35	W 0 6	18	..	..	..	303·5	304·7	3, 12, 24	295·2	293·6	15th	299·4	−0·3	..	4	— 15
837	Lagos	6 22	E 3 28	7·6	1009·8	1010·7	0·0	303·6	304·1	..	295·6	293·6	..	299·6	−0·7	..	94	+ 72
838	Zungeru	9 48	6 10	130	996·3	1011·2	0·0	307·2	310·2	31st	291·2	286·3	4th	299·2	0·0	..	0	— 3
838*a*	Libreville	0 23	9 26	35	..	..	..	303·0	304·4	3rd	295·9	293·7	8th	299·5	+0·7	..	245	— 36
839	Yola	9 12	12 30	259	..	..	..	306·1	308·6	13th	292·3	289·7	1st, 30th	299·2	0·0	..	0	0
841	Kafia Kingi	9 22	24 18	596	949·8	1016·9	..	..	..	..	..	..	..	293·0	..	..	0	..
842	Wau	7 42	28 3	440	..	1012·3	..	307·3	310	10th	288·9	287	29th	298·1	..	..	1	+ 1
843	Entebbe	0 5	32 29	1177	882·8	..	+0·2	300·8	302·4	17th	290·6	288·6	3rd	295·7	+1·1	*295·2*	47	— 92
844	Nandi	0 2	35 5	2010	..	..	..	298·4	301·9	19th	283·4	280·2	2nd	290·9	+0·3	..	1	— 65
845																		
851	Cothin	10 0	76 21	2·7	1012·0	1012·3	−0·6	304·2	305·6	7 days	296·3	294·2	30th	300·3	+0·2	*299·9*	1059	+ 64
852	Colombo Observatory	6 54	79 53	7·3	1009·2	1010·0	0·0	303·7	305·9	13th	295·8	294·4	20th	299·8	+0·4	*299·4*	186	+ 43
853	Candy	7 18	80 40	504·5	..	..	..	299·8	302·0	1st, 20th	293·4	292·0	29th	296·6	+0·6	..	470	+245
855	Medan	3 35	98 41	23·5	..	1009·7	−1·6	303·9	305·6	5th	294·3	291·8	1st	299·1	..	..	85	−143
856																		
857	Penang	5 34	100 20	5·0	1007·9	1008·5	−1·8	303·9	306·3	7th	296·9	294·7	30th	300·4	+0·3	..	69	— 65
858	Singapore	1 17	103 51	3·0	1009·6	1009·9	+0·3	303·3	305·4	5th	296·3	294·2	2nd	299·8	+0·7	..	258	— 3
860	Sandakan	5 49	118 12	..	..	..	..	303·3	304·7	12th, 20th	296·5	295·2	16th	299·9	+0·3	..	475	+ 16
861	Tagbilaran	9 38	123 51	21·8	..	1010·1	+1·0	305·2	307·3	23rd	..	..	..	..	..	..	32	−133
862	Surigao	9 48	125 29	6	..	..	..	302·0	303·4	20th, 21st	296·3	294·3	8th	299·2	..	..	391	−160
863	Yap	9 29	138 8	31·9	..	..	..	302·4	303·2	3rd, 11th	297·6	296·1	5th	300·0	..	..	120	..
869	Uyelang	9 42	161 2	<10	..	..	..	..	..	..	..	..	..	..	..	..	? 99	— 12
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DECEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1008·2	1009·1	+0·7	305·7	308·0	8th	296·5	295·2	16, 23, 28	301·1	−0·1	..	208	+197
906																		
923	Manaos	3 8	59 59	32·4	1002·0	1005·7	−1·2	..	..	..	..	..	..	301·2	−0·2	..	126	− 67
930	Fernando Noronha	3 51	W32 25	95	..	1011·6	+0·4	300·2	301·2	..	296·8	294·1	..	298·5	..	..	29	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	305·8	307·9	24th	293·8	292·4	4th, 8th	299·8	+0·2	..	330	+121
940	Loango	4 38	11 50	? 50	..	..	..	302·7	304·7	10th	297·3	294·1	31st	300·0	..	..	223	..
943	Daressalam	6 49	39 18	7·6	1010·1	1010·9	−1·3	302·7	304·3	22nd	297·7	294·9	7th	300·2	0·0	300·3	22	−150
944	Nairobi	1 18	36 59	1660	..	..	..	296·7	300·2	1st	283·3	280·2	27th	290·0	−0·3	..	31	− 37
944*a*	Zanzibar	6 10	39 11	21·9	1010·9	1013·4	−0·1	303·2	305·0	17th	299·6	297·6	11th	301·4	+0·3	*300·5*	47	− 93
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	304·4	306·3	4th	297·4	295·8	2nd	300·9	..	..	0	− 27
947	Seychelles	4 37	55 27	4·6	1010·7	1011·2	−0·4	301·9	303·2	..	298·1	296·7	..	300·0	+0·9	..	180	−163
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·0	−1·3	..	..	..	..	..	..	..	..	..	521	+ 30
957	Batavia	6 11	106 50	8	..	1009·5	−0·1	303·2	305·8	2nd	296·5	295·6	30th	299·8	+0·5	299·2	175	− 39
958	Pontianak	0 1	109 20	2·6	..	..	..	..	..	..	..	..	..	..	..	..	502	+159
959	Passeroean	7 38	112 55	5·0	..	1009·0	0·0	304·3	306·0	..	296·5	295·0	..	300·4	..	..	91	− 74
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	427	+ 35
961	Koepang	10 10	123 34	3·3	..	1008·6	+0·2	..	..	..	..	..	..	..	..	..	225	− 29
962	Ambon	3 42	128 10	4·2	..	1009·2	+0·7	..	..	..	..	..	..	..	..	..	192	+ 48
965	Daru	9 4	143 13	8	1009·0	1009·9	+0·5	305·7	..	..	297·5	..	..	301·6	+1·1	..	96	−127
966	Port Moresby	9 29	147 9	39	1005·4	1009·8	+0·8	305·6	..	..	298·2	..	..	301·9	+0·7	..	39	± 57
967	Rakuranga	4 13	152 8	*ca.*120	..	..	..	..	..	..	..	..	..	..	..	..	106	..
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	275	−116
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1006·5	1006·7	+0·1	305·7	307·4	17, 19, 29	297·9	295·8	14th	301·8	+1·0	..	54	−237
970	Ocean Island	0 52	169 36	48·5	1003·7	1005·9	−2·6	304·6	306·9	29th	297·4	296·1	9th, 28th	301·0	0·0	..	28	−189
		S.	E.															

DECEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		S.	W.															
1001																		
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1007·6	1011·8	+0·4	305·6	307·4	9, 19, 30	295·3	291·3	3rd, 9th	300·4	+0·9	..	100	− 73
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	1004·8	1010·2	−0·4	303·7	305·4	..	297·5	295·4	..	300·6	..	..	100	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	295·9	298·0	25th	289·1	287·2	1st	292·5	+0·1	*294·4*	0	..
1022	Arequipa	16 22	71 33	2451	759·7	..	−0·6	294·3	298·6	20th	283·2	280·8	1, 27, 30	288·8	+1·3	..	0	− 2
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	..	..	..	..	..	294	+3	..	15	−100
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	299·0	+1·1	..	303	+ 79
1026	Cuyaba	15 36	56 0	235	989·4	1016·2	+0·1	303·3	305·6	..	297·8	296·2	..	300·6	+0·1	..	233	+ 19
1035	St. Helena	15 57	W 5 40	632	944·9	1017·7	−1·3	293·5	296·1	31st	287·6	286·9	11th	290·6	+1·4	*290·2*	28	− 28
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	858·2	..	−0·1	303·7	308·4	..	289·3	286·3	..	296·5	+2·0	..	48	−100
1043	Salisbury, Rhodesia	17 49	31 3	1487	855·9	..	+0·6	302·0	305·7	..	289·3	286·6	..	295·7	+1·6	..	61	− 96
1044	Zomba	15 23	35 18	899	904·8	1004·1	+1·1	301·4	305·0	1st	290·6	288·6	10th	296·0	+0·6	*295·4*	266	− 76
1045	Tamatave	18 9	49 26	4	1014·1	1014·5	+1·8	..	..	..	297·5	295·8	..	299·3	−0·1	..	434	+191
1046	Tananarivo	18 55	47 32	1400	864·7	..	+1·3	300·4	304·2	25th	288·6	286·4	11th	294·5	+0·5	294·4	132	−159
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1011·7	−0·4	302·0	303·3	30th	297·4	295·2	2nd	299·7	−0·3	..	333	−617
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1007·7	1008·3	+0·2	302·7	304·2	..	296·1	294·9	..	299·4	−0·7	..	134	− 41
1058																		
1061	Derby	17 18	123 40	16·2	..	1008·4	+1·3	307·6	316·2	5th	299·4	296·4	14th	303·4	−0·5	..	90	− 24
1062	Hall's Creek	18 13	127 46	373·4	..	1007·5	+0·5	309·6	314·7	2nd	297·0	293·0	27th	303·3	−0·3	..	192	+107
1063	Port Darwin	12 28	130 51	29·6	..	1007·5	+0·6	307·1	309·6	25th	299·3	295·7	5th	303·2	+0·5	*302·1*	108	−158
1064	Daly Waters	16 16	133 23	213	..	1006·2	..	310·6	314·7	25th	298·1	295·2	19th	304·3	−0·1	*303·7*	89	− 17
1065	Mein	13 13	142 57	121·9	..	1006·9	..	307·9	310·8	6th	296·7	294·1	5th	302·3	..	..	238	+ 79
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1007·4	..	308·8	312·9	23rd	296·3	291·9	23rd	302·6	..	..	96	− 53
1067	Samarai	10 37	150 40	6·4	1011·4	1012·1	+2·9	304·1	..	..	298·1	..	..	301·1	+0·7	..	52	− 61
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	304·1	307·7	14th	292·7	288·5	26th	298·4	..	..	565	..
1071																		
1072	Suva, Fiji	18 8	178 26	14·8	..	1008·8	−1·0	302·7	305·8	23rd	297·1	293·6	4th, 6th	299·9	+0·8	..	141	−159
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

DECEMBER—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	301·9	305·8	26th	297·6	292·4	3rd	299·2	..	..	134	− 26
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	1014·8	1018·3	..	298·2	300·5	25th	290·2	287·3	3rd, 9th	294·2	..	291·7	15	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	1010·0	1013·0	−1·7	292·1	293·9	18th, 19th	287·5	286·1	19th	289·8	+0·7	*288·3*	0	0
1122	Puerto de Antofagasta	23 39	70 25	10	1011·2	1012·4	−1·8	299·6	300·8	29th	287·2	286·6	1st	293·4	+0·7	*291·1*	0	0
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	..	298·1	−0·1	*296·6*	282	+170
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	276	+182
1127	Curityba	25 26	49 16	908	911·0	1012·4	−0·7	299·4	305·8	16th	289·3	286·1	..	294·4	+0·5	*293·7*	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1002·8	1010·2	−1·4	..	..	..	..	..	..	298·4	+0·3	..	107	− 31
1139	Windhuk	22 34	E17 5	1665·3	832·4	..	..	305·4	307·7	27th	292·4	288·0	9th	298·9	+1·9	298·5	17	− 28
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	300·1	305·1	22nd	287·6	282·4	9th	293·8	+2·7	*293·4*	59	− 39
1142	Kimberley	28 43	28 46	?1232	878·8	..	−1·3	308·1	..	..	289·6	..	..	298·9	+2·0	299·3	4	− 50
1142*a*	Pretoria	25 45	28 11	1338	..	..	..	305·3	311·3	26th	289·1	286·4	14th, 16th	297·2	+2·4	..	55	− 52
1143	Durban	29 51	31 0	79·9	..	..	..	300·5	307·6	..	293·2	288·4	..	296·8	−0·1	..	90	− 32
1144	Lorenzo Marques	25 58	32 36	59	..	1011·2	−1·0	304·1	315·5	25th	294·7	290·7	7th	299·4	+0·9	298·8	81	− 26
1147	Mauritius	20 6	57 33	54·3	1007·4	1013·8	+0·1	303·8	306·5	2nd, 5th	295·6	293·0	8th	299·7	+0·8	299·2	79	− 45
1148																		
1159	Onslow	21 43	114 57	4·3	..	1006·8	−0·5	309·1	316·3	9th	293·6	290·2	4th	301·3	−0·4	..	0	− 4
1160	Peak Hill	25 38	118 47	588·3	..	1004·7	−1·4	310·7	314·7	17th	295·0	286·3	4th	302·9	−0·2	..	5	− 7
1161	Nullagine	21 53	120 5	385·6	..	1005·5	−0·3	312·9	316·3	9th	297·0	289·7	6th	305·0	+0·6	..	55	+ 25
1162	Laverton	28 40	122 23	466·3	..	1008·3	−1·1	308·5	314·4	20th	292·6	286·9	4th	300·6	+0·2	..	18	+ 4
1163	Alice Springs	23 38	133 37	587·0	..	1007·2	+0·1	307·9	312·4	8th	294·2	286·9	5th	301·1	−0·2	*301·1*	113	+ 81
1164	William Creek	28 55	136 21	76·2	..	1008·1	..	307·7	317·7	11th	293·8	287·4	17th	300·7	..	*300·5*	73	+ 66
1165	Boulia	22 55	139 38	145·7	..	1005·9	..	311·0	315·5	30th	296·6	290·8	18th	303·8	..	..	1	− 34
1166	Mitchell	26 32	147 52	337·1	..	1006·5	..	309·8	314·1	8, 9, 12	291·4	282·4	18th, 19th	300·6	..	..	37	− 29
1167	Rockhampton	23 24	150 30	11·3	..	1009·0	..	310·0	314·5	21st	295·7	293·1	1st	302·8	..	..	21	− 87
1168	Brisbane	27 28	153 2	41·7	..	1008·3	−3·8	306·3	313·3	16th	294·9	290·4	24th	300·6	+3·0	..	49	− 82
1169	Noumea	22 16	166 27	9	1007·3	1008·3	..	303·9	306·8	10, 12, 28	295·5	292·8	1st	299·7	+1·7	..	17	− 50
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	54	− 41
		S.	E.															

Between Latitude 30° S. and 40° S.

DECEMBER—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		S.	W.															
1219																		
1220	Juan Fernandez	33 37	78 50	10	1018·0	1019·2	−0·8	294·7	298·0	26th	..	..	..	291·1	0·0	..	0	− 14
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1008·3	1013·0	−1·1	295·1	299·7	12th	285·6	283·5	19th	290·4	−0·7	*288·3*	25	+ 19
1222	Santiago	33 27	70 42	520	952·6	1012·1	−1·5	301·7	306·4	8th	283·0	277·6	19th	292·4	−0·1	291·2	20	+ 14
1223	Cordoba	31 25	64 12	439	959·8	1009·6	−1·9	..	..	..	..	..	..	296·0	−1·2	..	183	+ 65
1224	Buenos Ayres	34 16	64 11	25·2	1006·9	1009·8	−1·5	..	..	..	..	..	..	293·8	−1·6	..	319	+219
1225																		
1226	Montevideo	34 52	W56 12	29·3	1006·4	1009·8	−2·3	297·9	305·8	6th	289·2	281·4	4th	293·5	−0·6	293·5	271	+190
1239	Cape Town	33 56	E18 29	9	..	1013·6	−0·7	297·2	302·6	6th	287·5	283·4	22nd	292·3	−0·5	*292·9*	35	+ 14
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	20	..
1241	Heidelberg	34 5	20 58	1541	849·6	..	+0·8	303·9	308·6	26th	287·1	283·4	14th	295·5	+2·4	..	40	+ 9
1242	East London	33 2	27 55	10·1	1010·7	1011·9	−2·1	297·4	301·9	28th	290·5	286·3	15th	294·0	+0·7	..	9	− 46
1259	Perth (Observatory)	31 57	115 51	60·0	..	1013·6	0·0	298·1	308·4	22nd	287·7	283·3	14th	292·9	−1·7	..	11	− 3
1260	Katanning	33 42	117 35	309·7	..	1011·5	−1·8	301·8	310·3	22nd	284·9	280·9	1st	293·3	−0·2	..	8	− 5
1261	Coolgardie	30 57	121 10	423·3	..	1009·8	−1·4	306·1	313·7	22nd	288·0	283·3	5th	297·1	−0·4	..	1	− 16
1262	Eucla	31 45	128 58	4·6	..	1011·3	−2·0	299·0	309·7	6th	287·7	284·7	6th	293·3	−0·4	..	14	+ 3
1263	Streaky Bay	32 48	134 13	13·1	..	1011·6	−2·0	298·9	307·1	29th	287·1	282·4	2, 17, 23	293·0	−1·4	..	63	+ 55
1264	Adelaide	34 56	138 35	42·7	..	1010·6	−2·6	299·1	311·5	24th	287·2	280·8	17th	293·2	−1·6	*292·7*	37	+ 16
1265	Melbourne	37 49	144 57	35·1	..	1008·1	−4·4	295·6	303·3	7th	285·4	279·0	6th	290·6	−0·5	*290·3*	93	+ 36
1266	Bourke	30 13	145 58	110·1	..	1009·9	−2·0	307·8	316·3	11th	292·0	284·7	18th	299·9	−1·3	..	80	+ 51
1267	Sydney	33 51	151 13	44·5	..	1007·5	−4·4	300·7	311·3	11th	291·0	286·9	18th	295·8	+1·7	..	75	+ 10
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	17	−112
1271	Auckland	36 50	174 50	38·1	..	..	..	291·9	296·3	12th	284·9	282·2	20th	288·4	−2·4	..	129	+ 55
1272																		
		S.	E.															

Between Latitude 40° S. and 50° S.

DECEMBER—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		S.	W.															
1301	Chatham Island	43 52	176 42	58	..	..	..	287·1	292·4	20th	279·8	276·3	sev.	283·5	−2·7	..	182	+146
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	283·0	280·6	4th	285·8	+0·1	*284·5*	98	− 14
1322	Punta Galera	40 1	73 44	40	1009·6	1014·4	− 1·7	290·7	292·4	18th	283·3	281·8	sev.	287·0	+0·9	*285·4*	130	+ 49
1323	Bahia Blanca	38 45	W62 12	20	1006·7	1009·0	+ 1·4	..	..	..	..	..	..	296·1	−0·4	..	98	+ 50
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1001·0	− 8·2	291·3	296·9	25th	282·7	277·0	15th	287·0	−1·7	*286·2*	77	+ 29
1366	Launceston	41 27	147 10	9·4	..	1002·2	..	292·1	297·4	1st	282·1	277·4	15th	287·8	−1·9	..	97	+ 48
1369																		
1370	Dunedin	45 52	170 31	90	..	999·4	− 9·9	287·9	292·4	12th	279·4	276·3	17th	283·7	−2·9	..	251	+166
1371	Christchurch	43 32	172 38	7·6	..	998·7	−12·3	291·3	298·2	13th	281·1	275·9	4th	286·2	−2·6	..	155	+113
1372	Wellington	41 16	174 46	33·5	..	1000·4	−10·9	290·4	295·8	24th	283·8	280·7	16th	287·1	−1·7	..	114	+ 31
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DECEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	995·5	1002·2	+4·4	286·6	288·6	6th, 21st	277·8	275·2	1st	282·2	+1·7	*281·2*	316	+ 58
1422	Puerto de Punta Arenas	53 10	70 54	4	1001·8	1002·3	+8·3	287·4	291·6	23rd	279·2	274·9	27th	283·3	+0·3	283·1	48	+ 14
1423	Punta Dungeness	52 24	68 25	5	1001·2	1001·8	+1·9	287·1	296·4	7th	..	..	..	..	..	*283·6*	22	— 4
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1004·1	+2·9	283·4	291·3	9th	278·6	274·7	12th, 13th	281·0	+0·3	281·1	..	..
1426																		
1429	South Georgia (Grytviken)	54 14	36 33	4	1001·0	1001·5	+5·5	278·4	286·0	10th	271·9	268·9	1st	275·2	−2·0	*274·7*	46	— 61
1430		S.	W.															

DECEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	S. 60 44	W. 44 39	6·9	1002·3	1003·2	+10·2	273·4	277·1	..	269·7	263·8	..	271·6	−0·8	271·4	12	— 10
1528																		

DECEMBER—ZONE 16. Between Latitude 70° S. and 80° S.

1605	Framheim	S. 78 38	W. 163 37	11·1	1004·1	1005·6	..	..	272·8	5th	..	256·2	3rd	266·8	..	..	..	..
1669																		
1670	Cape Evans (McMurdo Sound)	S. 77 38	E. 166 24	18	..	1007·5	+10·8	..	274·5	..	..	259·9	..	..	−1·7	267·4	..	..
1671	Cape Adare	71 18	170 9	..	..	1006·6	..	..	276·9	..	..	264·7	..	..	..	270·4	..	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—DECEMBER 1911.

Date.	St. Helena.* 1035. Direction.	St. Helena.* 1035. Mean Velocity for the Day.	Fanning Island. 805. Direction and Force.		Sierra Leone. 834. Direction and Force.		Malden Island. 905. Direction and Force.		Tulagi. 969. Direction and Force.	Ocean Island. 970. Direction and Force.		Suva, Fiji. 1072. Direction and Force.
	9 a.m.	m/s.	9 a.m.	9 p.m.	9 a.m.	5 p.m.	9 a.m.	8 p.m.	9 a. m.	9 a.m.	9 p.m.	9 a.m.
1	SE	10·6	E 4	E 5	NE 2	Calm 0	NE 4	E 3	SE 3	SW 1	SW 2	E 3
2	SSE	9·4	Calm 0	Calm 0	E 2	W 3	E 3	E 3	SE 2	SW 2	SW 2	NE 1
3	SE by S	7·1	E 4	E 4	E 3	NE 2	E 2	E 4	SE 1	SE 2	SE 1	E 1
4	SSE	9·4	E 4	NE 3	W 2	W 2	E 4	N 2	SE 5	NE 1	NE 1	NE 2
5	SSE	9·0	NE 2	NE 4	Calm 0	W 2	NE 1	Calm 0	W 4	SE 2	SE 3	E 2
6	SSE	8·9	E 2	NE 5	NE 2	W 2	Calm 0	E 1	SE 1	SW 2	SW 3	NE 2
7	SSE	7·9	NE 4	NE 2	NE 3	E 2	E 1	E 1	SE 2	SW 5	SW 3	NE 3
8	SSE	5·9	NE 2	NE 2	Calm 0	NE 3	NE 1	N 2	SE 3	NW 1	SW 3	E 3
9	SE by E	6·0	E 2	NE 2	NE 2	E 2	N 3	N 4	SE 2	SW 1	SW 1	E 3
10	SE by S	7·7	NE 5	NE 4	E 3	Calm 0	E 2	E 3	SE 1	SW 3	SW 2	N 4
11	SE by S	8·4	NE 4	NE 2	E 2	Calm 0	SE 3	SE 2	SE 1	W 1	W 1	NE 3
12	SSE	8·5	Calm 0	NE 4	NE 2	Calm 0	NE 2	Calm 0	SE 1	SW 3	SW 4	E 4
13	SE by S	8·7	NE 5	NE 2	NE 2	W 2	SE 6	Calm 0	SE 1	N 2	SW 3	NE 5
14	SE by S	10·2	SE 4	SE 4	Calm 0	W 2	E 2	E 1	SE 1	SW 1	SW 3	NE 4
15	SE by S	12·2	NE 5	NE 5	NE 2	W 2	E 2	E 1	SE 2	SW 3	SW 2	NE 4
16	SSE	11·3	NE 5	NE 2	Calm 0	W 2	SE 6	E 2	Calm 0	NW 2	N 3	NE 4
17	S by E	9·1	NE 5	E 2	Calm 0	W 3	E 2	Calm 0	NW 2	N 3	N 2	E 3
18	SE by E	6·3	SE 2	Calm 0	Calm 0	Calm 0	E 3	E 1	NW 4	N 2	N 3	N 5
19	SSE	6·2	E 4	NE 2	W 2	W 2	NE 1	NE 1	W 3	N 1	NW 1	N 3
20	SSE	9·8	NW 5	N 6	NE 2	W 2	NE 2	NE 3	NW 3	NW 2	N 4	N 6
21	SE by S	11·5	NE 2	NW 5	NE 2	W 2	NE 4	NE 2	NW 4	N 3	N 3	N 5
22	SE by S	10·4	E 2	E 2	NE 2	W 2	NE 2	NE 2	NW 5	N 1	NW 1	N 7
23	SE by S	10·6	E 2	E 4	E 2	W 2	E 2	NE 1	NW 3	NW 2	NW 3	N 2
24	SE by S	10·7	NW 4	E 5	E 3	W 2	E 2	E 1	W 2	NW 3	NW 2	SW 2
25	SSE	8·0	SE 2	SE 4	Calm 0	Calm 0	E 1	S 2	W 1	NW 2	NW 4	SE 2
26	SE by S	6·7	SE 4	SE 3	E 2	W 2	E 2	S 2	NW 2	SW 2	SW 6	E 3
27	SE by S	6·7	NE 4	NE 5	Calm 0	W 2	E 3	E 4	NW 2	SW 5	SW 6	SE 3
28	SE	4·5	E 4	E 2	NE 2	W 2	E 3	E 2	Calm 0	SW 6	SW 3	E 3
29	SSE	6·0	E 2	NE 2	E 2	W 2	E 2	E 3	NW 2	NW 2	SW 5	N 3
30	SE by S	4·3	NE 2	NE 4	Calm 0	W 3	N 2	NE 4	SE 2	SW 7	SW 8	NE 2
31	SE by S	4·1	NE 4	NE 4	Calm 0	W 2	E 3	NE 3	SE 2	SW 6	SW 4	N 2
Mean for Month	..	8·3	3·2	3·2	1·5	1·7	2·5	1·9	2·2	2·5	3·0	3·2
Deviation from Normal	..	+0·2	..	..	..	..	..	−1·1	..	..	..	..

* Direction and velocity in the South-East Trade Wind at 632 metres.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—DECEMBER 1911.

**Spitsbergen.*—"On the 4th, Green Harbour and Advent Bay again became ice-free."

**Denmark Strait.*—"At Angmagsalik the sea was completely covered with 'Storis.'" **Iceland.*—"The coasts were ice-free throughout the month."

North Atlantic.—"On 23rd two bergs and much close-packed ice were sighted off Belle Isle. On the 26th a large berg was passed in 47° N., 53° W."

**Davis Strait and Baffin Bay.*—"During December the west ice was observed in the offing from Godthaab and Egedesminde, and in the middle of December the first supply of 'Storis' rounded Cape Farewell. The ice reached the coast at Sagdlet on the 16th, at Pamiagdluk on the 25th, and Kagsimiut on the 27th, and remained, lying scattered until the end of the year. It seldom happens that the 'Storis' makes its appearance so early on the S.W. coast. The distance from Angmagsalik to Cape Farewell is 420 miles, and provided that the first ice observed at Angmagsalik in the autumn is also that which appears first at Cape Farewell, the mean drifting speed may be computed. The mean speed from Angmagsalik to Cape Farewell was 5 miles per day in 1901, 16 miles in 1903, and 6 miles in 1910. In 1911 it was at least 14 miles per day."

**Behring Strait.*—"During December the young ice visible from Cape Nome was firm."

* *Isforholdene i de arktiske Have, 1911 and 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, YEAR 1911

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1911 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. YEAR—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
123	North Star Bay	76 30	68 55	6·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	W56 7	18·9	1006·2	1008·7	−1·7	268·2	290·0	Aug. 3	260·8	236·0	Feb. 13	264·5	−0·1	*264·4*	86	−146
126																		
139	Spitsbergen	78 2	E 14 14	11·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
140																		
141	Gjesvaer	71 6	25 22	6·5	1005·6	1006·3	−1·7	..	297·8	July 27	272·4	260·2	Feb. 25	..	+0·1	*274·9*	871	+230
142	Mehavn	71 1	27 47	6·4	1006·2	1006·7	..	..	297·1	July 29	272·4	258·4	Feb. 25	..	..	*275·0*	806	+ 48
143	Vardö	70 22	31 8	10·0	1006·4	1007·2	−1·9	..	292·9	July 29	272·0	260·3	Feb. 20	..	+0·7	*274·3*	648	+ 27
144		N.	E.															

Between Latitude 70° N. and 60° N. YEAR—ZONE 2.

209	Dawson	64 4	139 20	321	975·8	1016·3	+1·8	273·3	301·3	June 22, July 3, 5	261·7	220·8	Jan. 25	267·5	−1·2	..	382	..
210	Carcross	60 11	134 34	662	..	..	..	..	..	..	..	..	..	..	..	..	..	..
211																		
212	Fort Simpson	61 52	120 43	129	1000·4	1017·0	..	274·3	308·0	May	263·0	224·6	Jan.	268·7	..	*269·1*	252	..
213																		
214	Hay River	60 51	115 20	161	995·3	1015·7	..	273·7	300·0	July 23	263·4	226·3	Jan. 25	268·5	..	..	207	..
225	Jacobshavn	69 13	51 2	12·6	1004·4	1006·0	−2·9	270·7	289·4	June 26, July 25	263·7	231·7	Feb. 14, Mar. 3	267·2	−0·2	*267·1*	229	+ 13
226	Godthaab	64 11	51 44	9	1000·8	1001·9	−4·3	..	..	..	268·0	248·0	Feb. 11	..	..	*270·7*	524	−118
229	Angmagsalik	65 37	37 34	31·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
230																		
231	Stykkisholm	66 5	22 46	11·3	1004·0	1005·4	−1·2	279·2	293·3	July 12	273·9	258·5	Feb. 18	276·6	+0·8	*276·8*	644	+ 20
232	Vestmanno	63 26	20 15	7·7	1004·7	1005·6	−0·4	281·3	291·2	June 18	275·7	263·2	Feb. 19	278·5	+0·3	*278·4*	1379	+114
233	Grimsey (Akureyri)	66 33	17 58	7·8	1006·3	1007·2	−0·7	277·6	297·1	July 11	271·8	254·7	Feb. 18	274·7	+0·3	*274·7*	66	−308
234	Berufjord	64 40	14 19	18	1004·4	1006·7	−0·8	280·0	293·7	July 12, 13	273·3	257·8	Feb. 18, 20	276·7	+0·8	*276·6*	1303	+188
235	Thorshavn	62 3	W 6 45	25·7	1006·4	1009·5	+0·8	282·2	293·9	July 12	276·8	265·4	Feb. 21, Apr. 17	279·5	+0·2	..	1160	−433
236																		
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1006·8	1012·1	+1·0	..	303·0	July 30	277·9	267·4	April 5	..	+0·5	*280·5*	1991	− 49
238	Christiansund	63 7	7 45	17·8	1008·7	1009·9	0·0	..	299·8	June 4	277·7	267·0	April 5	..	+0·6	*280·0*	1593	+462
239	Trondhjem	63 26	10 25	39·5	1006·7	1010·9	+0·5	..	302·0	Aug. 10	275·2	259·9	Jan. 4	..	+0·7	*278·4*	805	−157
240	Bodö	67 17	14 24	20·5	1006·4	1008·6	−0·5	..	296·4	July 27	274·6	261·1	Feb. 25	..	+0·3	*277·4*	1015	+ 40
241	Haparanda	65 50	24 9	9·2	1008·8	1010·0	−1·0	278·0	300·5	Aug. 3	270·1	242·0	Feb. 21	274·1	+0·7	*274·5*	622	+154
242	Helsingfors	60 10	24 57	11·7	..	1012·7	0·0	..	301	Aug.	..	251	Feb.	278·4	+1·1	*278·2*	631	+ 61
242a	Kuopio	62 54	27 40	99·7	..	1012·7	−0·1	..	303	Aug.	..	244	Feb.	276·4	+0·6	*276·2*	608	..
243	Kola	68 53	33 1	6·7	1008·3	1009·2	−0·4	..	299·6	Aug. 11	269·1	237·5	Feb. 6	273·3	+0·7	*273·2*	456	+258
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	301·8	June 27	..	..	..	276·2	+0·7	*276·0*	..	..
245	Arkhangelsk	64 33	40 32	6·7	..	1011·6	0·0	..	300	June	..	238	Feb.	273·8	+0·3	*273·5*	548	+168
246	Velsk	61 5	42 7	? 87	1003·4	1014·3	..	..	303·2	June 28	270·1	231·6	Feb. 8	274·8	..	*274·6*	504	..
247	Oust-Tsylma	65 27	52 10	? 25	..	1011·2	−1·0	..	302	July	..	233	Jan., Feb.	270·6	−0·1	*270·3*	..	..
248	Troitsko-Petcherskoe	62 42	56 13	?123	997·8	1013·4	..	..	303·3	June 19	266·7	228·4	Feb. 7	271·8	..	*271·5*	548	..
249	Berezov	63 56	65 4	39·9	1007·4	1012·5	−1·3	..	301·4	July 6	264·8	231·8	Feb. 7	269·3	+0·5	*269·0*	432	+109
250	Obdorsk	66 31	66 35	24·2	1008·8	1011·9	+0·1	..	302·2	July 21	261·8	227·9	Feb. 9	266·1	−0·6	*265·8*	261	− 10
251	Sourgout	61 15	73 24	40	1007·6	1012·7	−1·8	..	303·4	July 22	264·2	228·1	Feb. 7	269·9	−0·1	*269·6*	552	+128
252																		
253	Touroukhansk	65 55	87 38	? 40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
254	Doudinka	69 7	87 0	? 20	1007·6	1010·2	..	..	300·9	July 21	..	..	..	261·9	..	*261·7*	277	..
261	Olekminsk	60 22	120 26	?202	..	..	..	..	304·4	July 29	..	..	..	266·8	+1·1	*266·5*	268	..
262	Iakoutsk	62 1	129 43	?108	..	..	..	..	304·1	Aug. 1	..	213·2	Dec. 31	262·9	+0·5	*262·7*	164	− 43
263	Verkhoïansk	67 33	133 24	?100	996·8	1010·1	−3·3	..	304·3	July 30	251·8	209·2	Jan. 28	258·6	+2·0	*258·4*	..	..
264	Oust-Maïskoe	60 25	134 29	?100	..	..	..	..	301·5	Aug. 2	257·3	212·9	Jan. 18	263·6	..	*263·4*	109	..
271	Markovo sur Anadyr	64 45	170 50	? 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272	Novo-Mariinskii Post	64 45	177 33	? 3	..	..	..	..	..	..	..	..	..	..	..	..	175	..
		N. °	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

YEAR—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

YEAR—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
307																		
308																		
309		N.	W.															
310	Prince Rupert	54 18	130 18	52	1007·1	1013·4	..	282·6	301·3	July	276·2	253·6	Jan.	279·4	..	..	2631	..
311	Barkerville	53 2	121 35	1274	..	1015·2	..	277·8	298·6	July 24	268·6	233·0	Jan. 10, 13	273·2	−2·0	*273·2*	922	+ 47
312	Kamloops	50 41	120 29	379	..	1015·6	−0·3	285·6	310·5	July 15	273·9	238·3	Jan. 14	279·7	−1·9	*279·6*	212	− 56
313	Calgary	51 2	114 2	1033	..	1015·2	+0·3	281·1	304·1	July 25	269·0	230·8	Jan. 13	275·1	−1·0	*275·2*	492	+ 78
314	Fort Chipewyan	58 42	111 10	218	988·0	1015·6	..	274·9	302·4	July 24	264·6	223·0	Jan. 10	269·7	..	*270·2*	..	..
315	Prince Albert	53 10	106 0	436	961·1	1014·8	+0·6	279·0	302·4	Aug. 19	266·4	225·2	Jan.	272·7	−0·4	*272·9*	456	+ 13
316	Qu'Appelle	50 30	103 47	645	937·2	1015·5	+0·3	278·7	304·4	June	267·3	234·1	Jan.	273·0	−1·4	*273·0*	534	+ 59
317	Minnedosa	50 15	99 50	515	953·1	1016·0	..	279·6	305·2	June	267·5	231·2	Jan.	273·6	−0·6	*273·3*	566	..
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	393	..
318a	Fort Churchill	58 51	94 11	9	1014·7	1015·8	..	..	304·1	June	..	226·9	Jan.	..	..	..	..	..
319	Fort Hope	51 32	87 48	..	982·3	..	..	277·5	304·1	July 9	266·9	231·3	Jan. 3, 5	272·2	..	..	446	..
320	Moose Factory	51 16	80 56	9	1013·4	1014·5	..	278·6	306·9	July 10	266·7	233·0	Jan. 4, 8	272·7	..	..	726	..
321																		
322																		
323	Hebron	58 12	62 21	15·0	..	..	..	..	..		..	..		..	..	..	..	..
324	Nain	56 33	61 41	4·2	1008·1	1008·6	−1·2	272·6	301·4	Aug.	264·6	239·0	June	268·6	−0·9	..	..	..
325																		
326	Point Riche	50 42	57 25	10·7	..	..	..	..	295·2	July 15	..	246·9	Jan. 17	274·4	−0·8	..	653	−586
327																		
328																		
329																		
330																		
331																		
332																		
333																		
334	Valencia	51 56	10 15	13·7	1013·7	1015·3	+0·8	286·3	300·2	July 13	281·0	269·7	Feb. 2	283·7	+0·3	283·8	1413	− 21
335	Aberdeen	57 10	2 6	27·4	1010·2	1013·4	+1·4	284·4	298·6	July 5	278·7	269·7	Oct. 29	281·6	+0·8	281·6	699	− 81
336	Greenwich	51 28	W 0 0	48·5	1010·8	1016·6	+1·6	288·6	310·8	Aug. 9	279·4	267·4	Feb. 1	284·0	+1·1	283·8	601	− 12
337	Uccle	50 48	E 4 22	100	1004·7	1016·9	+1·2	288·1	309·1	Aug. 9	279·2	263·1	Jan. 15	283·7	+1·1	283·5	741	− 68
338	De Bilt	52 6	5 11	3·0	1016·1	1016·5	+2·4	287·4	308·6	July 29	278·2	263·6	Jan. 14, 15	283·1	+0·6	282·9	641	− 76
338a	Hamburg	53 33	9 59	26·0	1012·8	1016·0	+1·4	286·5	305·1	July 30	279·8	267·4	April 5	283·2	+1·9	282·9	607	− 120
339	Copenhagen	55 41	12 36	5·0	1014·3	1014·9	+1·1	284·5	300·5	Aug. 13	279·3	267·4	Jan. 31, Apr. 5	281·9	+1·6	*282·0*	534	− 30
340	Potsdam	52 23	13 4	84·9	1006·2	1016·6	+1·4	287·4	308·7	July 23	278·2	264·0	Feb. 14	282·8	+1·3	282·4	406	− 180
340a	Upsala	59 51	17 38	24·0	1009·8	1012·7	+0·6	283·4	305·9	Aug. 2, 3	274·5	256·8	Feb. 6	279·0	+1·4	279·2	541	+ 1
341	Warsaw	52 15	21 1	127	1001·4	1016·9	+1·3	285·5	304·1	June 26	278·1	252·1	Feb. 14	281·8	+3·4	*281·4*	415	− 144
342	Jurjev	58 23	26 43	74·5	1005·0	1014·3	+0·7	281·8	304·0	June	273·3	247·0	Feb.	277·6	+3·4	277·8	594	+ 4
343	Petrograd	59 56	30 16	4·8	..	1013·4	+0·1	..	303	Aug.	..	243	Feb.	277·3	+0·5	*277·2*	559	+ 84
344	Kiev	50 27	30 30	182·9	..	1017·4	+1·0	..	304	July	..	244	Feb.	279·6	−0·4	*279·3*	630	+ 90
344a	Moscow	55 45	37 34	156	997·4	1016·8	+0·9	281·0	306·0	July 3	272·8	243·7	Feb. 13	276·9	+3·4	276·9	444	− 92
345	Saratov	51 32	46 3	59·9	..	1018·4	+2·1	..	312	July	..	244	Jan., Feb.	278·9	0·0	*278·6*	271	− 129
346	Kazan	55 47	49 8	79·8	1007·0	1017·0	+0·1	..	312·4	July 4	..	239·9	Feb. 11	276·3	+0·2	*276·2*	366	− 29
347	Orenburg	51 45	55 6	114·1	..	1019·6	+0·3	..	312	July	..	240	Feb.	276·8	+0·2	*276·5*	320	− 55
348	Perm	58 1	56 15	163·0	..	1015·6	+0·1	..	308	July	..	238	Feb.	274·0	−0·5	*273·7*	531	+ 56
349	Ekaterinburg	56 50	60 38	288·9	..	1016·4	−0·6	..	308	July	..	238	Feb.	274·1	+0·3	*273·8*	414	+ 39
350	Tobolsk	58 12	68 14	108·3	1002·0	1015·7	..	..	307·1	July 6	268·6	236·6	Feb. 12	273·3	0·0	*273·0*	353	− 88
351	Akmolinsk	51 12	71 23	?347	976·6	1019·6	−1·8	..	309·2	July 14	268·7	237·5	Jan. 9	274·5	−0·1	*274·2*	445	+ 205
352	Omsk	54 58	73 23	87·3	1005·9	1017·0	−1·8	..	309·0	July 14	268·2	236·8	Dec. 17, 18	273·7	+0·1	*273·4*	367	+ 50
353	Barnaoul	53 20	83 47	157·7	1000·0	1019·8	−1·5	..	305·9	July 17	268·5	228·1	Jan. 9	274·5	+1·1	*274·2*	539	+ 235
354	Tomsk	56 30	84 58	121·6	1002·3	1017·7	−1·5	..	303·8	July 17	267·3	230·9	Jan. 9	272·5	0·0	*272·2*	474	− 44
355	Minousinsk	53 43	91 41	?255	989·4	1021·3	..	..	307·4	July 17	268·4	236·1	Dec. 19, 20	274·4	..	*274·1*	361	+ 68
356	Eniseisk	58 27	92 11	84·4	1006·8	1017·6	−1·7	..	306·6	July 17	265·7	227·5	Dec. 18, 30	271·8	+0·5	*271·5*	290	− 120
357	Irkutsk	52 16	104 19	467·0	962·4	1021·1	−0·5	..	302·0	June 17, July 14	266·4	234·3	Dec. 4	272·9	+0·3	*272·6*	398	+ 51
358	Kirensk	57 47	108 7	?263	986·4	1019·7	..	..	303·9	July 14, 26	262·8	221·7	Feb. 5	269·5	..	*269·2*	390	..
359	Tchita	52 2	113 30	673·8	935·9	1018·4	..	..	306·4	July 10	263·5	230·1	Feb. 6	270·5	..	..	274	..
360	Blagoveshchensk Priisk	58 10	114 17	?490	958·7	1020·4	..	..	303·6	July 27	259·5	221·9	Jan. 1	266·4	..	*266·1*	309	− 187
360a	Nertchinsk	51 59	116 35	484·3	..	..	..	..	308·1	July 10	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	?370	971·0	1017·7	..	..	301·5	July 13	259·8	227·5	Dec. 31	268·6	..	*268·4*	332	..
362	Blagoveshchensk	50 15	127 38	?160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
363	Paikanskii Sklad	50 11	130 7	?168	..	..	..	..	301·6	July 14	262·0	226·6	Jan. 16	270·0	..	*269·8*	621	..
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	1010·4	1013·0	+0·2	..	298·6	Aug. 30	265·4	233·5	Jan. 1	271·2	+0·3	*271·0*	522	+ 72
366	Okhotsk	59 21	143 17	6·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
367																		
368	Petropavlovsk Phare	52 53	158 47	87·1	997·4	1008·4	+1·2	..	295·6	Sept. 3	270·7	249·6	Feb. 12	273·3	+1·8	..	675	..
369		N.	E.															
370																		
371																		
372		° ′	° ′	metres.	mb	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

YEAR—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	25·9	..	1017·1	+1·2	286·3	304·9	July 16	278·3	263·5	Jan. 13	282·3	−0·5	282·1	614	−213
412	Portland, Oregon	45 32	122 41	46·6	1013·0	1018·5	+0·8	288·6	310·2	July 24	279·9	268·0	Jan. 15	284·2	−0·1	*283·9*	845	−302
413	Macleod	49 44	113 24	954	..	..	..	283·2	305·2	July 26	270·2	230·2	Jan. 12	276·7	−1·3	*276·8*	498	+194
414	Helena	46 34	112 4	1253	873·2	1016·9	+0·6	283·8	306·9	July 14	272·3	240·2	Jan. 12	278·1	−1·1	*278·1*	407	+ 82
414a	Salt Lake City	40 46	111 54	1331	867·4	1015·5	−0·1	288·8	308·6	Aug. 18	278·3	258·6	Jan. 2	283·6	−0·4	*283·7*	384	− 22
415	Cheyenne	41 8	104 48	1856	812·7	1015·7	+0·9	287·1	305·2	Aug. 8	273·5	244·7	Jan. 2	280·3	+0·1	*280·2*	276	− 70
416	North Platte	41 8	100 45	860	917·6	1017·6	+2·1	290·2	313·0	June 29	274·9	243·0	Jan. 3	282·6	+0·5	*282·4*	443	− 36
416a	Bismarck	46 47	100 38	510·2	956·2	1017·8	+1·8	283·9	310·2	July 7	270·8	239·7	Jan. 2	277·4	−0·1	*277·3*	387	− 61
417	Winnipeg	49 53	97 7	231·6	..	1016·9	+0·7	280·9	304·8	June 20	269·7	234·7	Jan. 11	275·3	+0·7	*274·7*	594	+ 65
418	Duluth	46 47	92 6	345·3	974·4	1016·6	+0·3	281·4	306·3	July 1	271·7	238·6	Jan. 3	276·6	−0·5	*276·6*	770	+ 9
419	Port Arthur	48 27	89 12	196·3	..	1016·4	−0·2	281·4	307·4	July 2	270·4	238·6	Jan. 3	275·9	+0·8	*275·8*	633	+ 37
420	Chicago	41 53	87 37	250·9	987·6	1017·8	+1·0	287·8	311·9	July 5	280·4	255·2	Jan. 5	284·1	+1·8	*284·0*	859	+ 14
421	Toronto	43 40	79 24	106·7	..	1017·4	+0·8	286·7	312·6	July 3	276·7	254·3	Jan. 16	281·7	+1·2	281·1	741	− 56
422	New York	40 43	74 0	96	1006·5	1018·0	+0·9	288·5	309·7	July 3	280·7	263·6	Jan. 17, Feb. 3	284·6	+0·6	284·9	1025	−109
423	St. John, N.B.	45 17	66 4	21·3	..	1016·0	+0·8	282·8	300·5	July 10	274·5	247·4	Jan. 17	278·6	+0·2	*278·5*	895	−251
424	S. W. Point, Anticosti	49 24	63 35	9	1011·5	1012·7	+0·2	277·7	297·4	..	269·8	235·8	..	273·7	..	..	535	..
425	Sable Island (Main Station)	43 57	60 6	7·6	1015·2	1016·1	..	282·7	299·7	Aug.	277·1	256·3	Jan.	279·9	..	..	1337	..
426	St Johns, Newfoundland	47 34	52 42	38·1	..	1011·1	−1·7	281·5	301·3	July 26	273·2	249·7	Jan. 17	277·4	−0·4	..	1253	−183
435	Madrid	40 24	3 41	655·4	942·6	1018·9	+1·5	293·6	312·3	Sept. 1	279·7	267·6	Jan. 2, Feb. 6	286·7	−0·3	286·1	512	+ 96
436	Nantes	47 15	W 1 34	41·4	1013·1	1018·1	+0·8	289·7	309·3	Sept. 8	280·9	268·7	Feb. 1	285·3	+0·4	*285·0*	825	+ 95
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·6	1017·6	+1·1	289·5	309·5	Aug. 9	279·3	265·9	Feb. 1	284·4	+1·2	284·3	480	− 77
438	Marseilles	43 18	5 23	75·0	1007·1	1016·1	+1·1	293·1	308·3	Aug. 6	282·7	267·4	Feb. 2	287·9	+0·7	*287·5*	438	−144
438a	Zürich	47 23	8 33	493·2	960·3	1019·2	+0·7	..	307·6	Aug. 24	..	261·2	Feb. 1	282·6	+1·1	282·6	736	−411
439	Rome	41 54	12 29	63·4	..	1015·3	+0·9	293·4	308	July, Aug.	284·4	269	Feb. 1, 2, 10	288·9	+0·4	*288·8*	1001	+180
440	Vienna	48 15	16 22	202·5	992·7	1017·2	+0·6	286·5	303·8	July 26	279·5	262·1	Feb. 15	283·0	+1·0	282·9	696	+ 73
440a	Buda-Pesth	47 30	19 2	129·6	1001·6	1017·4	+0·7	288·6	307·1	July 25	279·5	257·8	Feb. 7	284·1	+1·4	*284·0*	539	−118
441	Bucharest	45 25	26 6	82	1007·5	1017·5	+0·9	289·9	312·2	Aug. 24	278·8	250·2	Feb. 16	284·4	+1·0	..	509	− 70
442																		
443	Odessa (University)	46 29	30 46	65·3	1009·8	1017·0	+0·2	285·9	306·2	July 25	278·7	247·7	Feb. 14	282·3	−0·9	*282·1*	259	−146
444	Kharkov (University)	50 0	36 14	140	..	1018·8	+1·6	..	306	June	..	243	Feb.	279·0	−0·8	*278·7*	412	− 73
444a	Novorossiisk	44 40	37 49	37	..	1016·0	−0·8	..	304	July	..	255	Feb.	284·8	−1·0	*284·5*	526	−169
445	Tiflis	41 43	44 48	409	..	1017·6	+0·5	..	308	July	..	261	Jan.	284·7	−1·1	*284·5*	365	−130
446	Astrakhan	46 21	48 2	−14	..	1019·1	+1·1	..	310	July	..	244	Feb.	281·1	−1·6	*280·8*	295	+145
447	Fort Alexandrovsk	44 31	50 16	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	−15	..	1016·0	−1·5	..	312	July	..	263	Jan.	287·8	−0·9	*287·6*	515	+ 25
449	Tachkent	41 20	69 18	478·3	960·8	1017·0	−0·4	..	310·2	June 6	279·4	256·7	Feb. 18	285·6	−1·2	*285·3*	390	+ 56
450	Irgiz	48 37	61 16	112	1003·9	1017·9	..	..	313·2	July 2	..	..	..	277·9	−0·4	*277·6*	..	..
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	299·3	July 25	271·4	245·2	Jan. 4	277·7	+2·2	*277·4*	233	− 63
452	Vernyi	43 16	76 53	? 835	921·5	1019·7	+1·7	..	306·2	July 15	..	..	..	281·2	+0·3	*280·9*	670	+124
461	Mukden	41 48	123 23	43·8	1011·9	1017·3	+1·0	285·3	305·6	Aug. 10	274·1	242·3	Jan. 12	279·7	−0·3	..	998	+493
462	Joshin	40 40	129 11	4·0	1015·1	1015·6	+0·9	286·1	305·1	Aug. 13	276·7	249·2	Jan. 23	281·4	+0·3	..	845	+190
463	Vladivostok	43 7	131 54	15·7	1014·2	1016·1	−0·6	..	302·3	July 18	273·8	246·4	Jan. 16	277·7	−0·3	*277·5*	675	+267
464																		
465	Ochiai	47 20	142 44	15·0	1011·8	1013·7	..	281·0	304·1	July 5	268·8	235·7	Feb. 8	274·9	..	274·9	972	..
466	Nemuro	43 20	145 35	26·7	1010·1	1013·4	+0·8	283·0	300·6	Aug. 6	275·0	257·6	Jan. 1, Feb. 7	279·0	+0·5	278·9	1040	+134
		N.	E.															

Between Latitude 40° N. and 30° N.

YEAR—ZONE 5 (Western Half).

511	San Francisco	37 48	122 26	47·2	1011·4	1017·1	+0·4	289·2	303·6	Oct. 16	282·4	276·3	Feb. 27	285·8	+0·1	*285·2*	660	+ 45
512	San Luis Obispo	35 18	120 39	61·3	1009·9	1017·3	+0·8	292·6	308·0	Aug. 20	281·3	270·8	Dec. 27	286·9	−0·1	*286·5*	935	+388
513	Modena	37 48	113 54	1670	833·6	1015·1	+0·8	289·1	306·9	July 15	273·2	245·8	Dec. 30	281·2	−1·0	*281·2*	266	− 27
514	San Diego	32 43	117 10	26·5	1012·4	1015·6	+0·4	292·3	306·9	July 14	285·2	274·1	Feb. 16	288·7	−0·2	*288·5*	299	+ 32
515	Santa Fé	35 41	105 57	2138	788·2	1015·3	+1·7	288·0	303·6	Aug. 9	275·5	250·8	Jan. 3, Nov. 28	281·8	−0·6	*281·6*	435	+ 67
516	Denver	39 45	105 0	1613	837·2	1015·4	+0·8	290·7	309·1	Aug. 8	276·2	245·8	Jan. 2	283·4	+0·5	*283·3*	197	−160
517	Abilene	32 23	99 40	529·7	955·5	1016·3	+1·1	297·7	314·7	July 23	285·6	258·0	Jan. 3	291·7	+1·5	*291·5*	657	+ 29
518	Saint Louis	38 38	90 12	172·8	997·1	1017·7	+0·5	291·9	311·3	July 4	282·4	254·1	Jan. 3	287·2	+1·0	*287·0*	918	− 27
519	Mobile	30 41	88 2	17·4	1016·4	1018·5	+0·9	298·4	309·1	May 30, June 1	289·7	265·2	Jan. 4	294·0	+2·1	*293·6*	1725	+149
520	Nashville	36 10	86 47	166·4	999·6	1019·5	+1·5	294·6	310·2	June 4	283·8	255·8	Jan. 4	289·2	+1·0	*289·0*	1226	− 6
521	Charleston	32 47	79 56	14·6	1017·6	1019·2	+1·1	296·6	308·0	June 11, Sept. 11	288·6	270·8	Jan. 5	292·6	+0·9	*292·3*	805	−518
522	Washington	38 54	77 3	34·1	1014·6	1018·8	+0·9	291·8	311·3	June 11	281·3	263·0	March 16	286·6	+0·9	*286·5*	1027	− 78
523																		
524	Bermuda	32 17	64 46	46·0	..	1020·2	+1·4	296·5	303·9	July 20	290·7	279·8	March 25	293·6	−0·2	..	1005	−555
531	Horta	38 32	28 38	30	..	1021·2	−0·3	292·9	300	Jul. 31, Aug. 2, 7, 22	288·9	281	March 29	290·9	+0·3	..	815	+118
532	Ponta Delgada	37 44	25 40	17	..	1021·7	+1·4	292·4	304	June 24	288·3	282	Jan. 28, Dec. 29	290·4	+0·1	..	547	−283
533	Madeira (Funchal)	32 37	16 54	25	1019·0	1022·0	+2·9	294·0	302·0	Oct. 1	285·0	279·4	April 13, 14	289·5	−0·5	*289·5*	528	−156
534	Lisbon	38 43	9 9	95·4	1007·9	1019·3	+1·5	292·3	309	July 12, Sep. 1, 2	285·6	273	March 9	288·9	−0·1	*288·6*	733	− 23
535	Casablanca	33 37	7 35	17	..	..	..	292·9	303·2	Sept.	287·3	277·0	Jan.	290·1	−0·4	..	397	− 5
536	Gibraltar	36 6	5 21	16	1014·4	1016·3	0·0	294·5	306·3	Aug. 2, Sept. 18	..	..	..	289·9	−1·1	*289·8*	886	− 18
		N. °	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

YEAR—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1012·4	1017·0	+2·0	295·5	311·8	July 29	288·5	278·1	Jan. 5	292·0	−0·1	*291·5*	672	+ 21
538	Palma	39 33	2 42	23	..	1018·1	+1·6	294·5	310	July 29, Aug. 7	286·7	275	Jan. 4, 9	290·6	+0·8	..	359	− 94
538*a*	Tunis	36 48	10 10	43	1013·6	1018·7	+2·4	296·1	315·0	Sept. 16	286·8	273·5	Feb. 10	291·5	+0·6	..	454	+ 108
539	Malta	35 54	14 31	59	..	1017·7	+1·3	294·4	307	Aug. 1	289·1	276	Feb. 21	291·7	+0·1	..	647	+ 197
540	Catania	37 30	15 3	64·9	1008·8	1016·6	+1·1	294·5	311·2	Sept. 17	286·5	272·0	Feb. 10	290·5	−0·1	..	763	+ 125
541	Athens	37 58	23 43	107·1	..	1015·6	+0·4	293·9	315	Aug. 25	286·2	268	Feb. 11	290·0	−0·7	*289·7*	383	− 17
542	Alexandria	31 9	29 54	32·0	..	1015·2	+0·2	297·5	311	May 23, June 2	289·9	279	Feb. 11	293·7	−0·2	*293·1*	188	− 36
543	Cairo (Helwan)	29 52	31 20	115·6	..	1014·9	−0·2	300·3	315	May 23	287·9	275	Jan. 27	294·1	−0·2	293·8	25	− 11
544	Nicosia	35 12	33 24	152	..	1012·7	−0·8	298·2	314	Aug. 25, 28	282·4	269	Jan. 28	290·3	−1·4	..	470	+ 94
544*a*	Beirut	33 54	35 28	52·4	..	1012·8	−0·2	296·5	306	June 3, Aug. 1	289·3	274	Jan. 29	292·9	−0·7	..	1167	+ 258
545	Baghdad	33 21	44 28	38·7	1007·4	1012·0	−0·3	301·3	320·1	July 9	287·9	268·4	Jan. 30	294·6	−0·9	..	221	+ 45
546	Lenkoran	38 46	48 52	−19	1019·4	1017·2	+0·1	..	305·4	Aug. 3	282·4	263·4	Feb. 3	286·0	−2·1	*285·8*	1183	− 8
547	Busrah	30 31	47 53	7·6	1010·3	1011·2	−1·3	300·4	316·1	July 2	291·0	268·7	Jan. 30	295·7	−1·0	..	278	+ 120
548	Meshed	36 16	59 35	946	906·2	1015·1	..	293·0	309·9	June 5	277·9	252·9	Jan. 13	285·4	−1·1	..	253	+ 15
549	Quetta	30 11	67 3	1677	832·3	..	0·0	295·9	310·8	Aug. 16	279·5	264·2	Jan. 31	287·7	−0·3	*287·5*	320	+ 66
550																		
551	Lahore	31 34	74 20	214	984·0	1008·5	−0·3	305·2	320·2	June 7	290·8	275·3	Feb. 2	298·0	+0·7	*297·4*	397	− 104
551*a*	Simla	31 7	77 8	2204·3	780·6	..	+0·1	289·0	300·7	June 1	282·9	264·7	Feb. 1	285·9	0·0	*285·7*	1569	− 54
552	Leh	34 10	77 42	3506	665·8	..	−0·3	285·7	302·4	July 30	271·3	248·3	Feb. 5	278·5	−0·4	*277·6*	66	− 17
552*a*	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	2027	+ 134
559	Hang Kow	30 35	114 17	37·0	1012·6	1017·0	0·0	293·5	310·4	July 23	286·2	269·1	Jan. 12, 19	289·9	−0·2	..	1235	− 137
560	Tiensin	39 10	117 10	5·0	1017·5	1018·2	+0·8	289·4	307·7	July 17	280·0	254·4	Feb. 3	284·7	−0·9	..	638	+ 150
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1015·4	1016·2	−0·3	293·2	309·8	July 25	284·5	266·4	Jan. 12	288·9	+0·3	288·0	1218	+ 93
562	Chemulpo	37 29	126 32	67·6	1008·8	1017·1	+1·1	287·6	306·8	Aug. 10	280·3	255·9	Jan. 13	284·0	−1·1	283·6	857	− 31
562*a*	Nagasaki	32 44	129 52	133·0	1000·1	1016·0	+0·5	292·7	306·1	Aug. 13	285·0	269·5	Jan. 24	288·9	−0·2	288·6	2344	+ 352
563	Kioto	35 1	135 46	49·4	1010·3	1016·2	+0·8	293·7	308·9	July 20	281·4	265·7	Jan. 25	287·5	+0·5	287·0	1931	+ 335
564	Tokio	35 41	139 45	21·3	1012·4	1014·9	+0·7	291·9	306·4	Aug. 21	283·5	267·6	Jan. 2	287·7	+0·6	287·4	1867	+ 376
565	Miyako	39 38	141 59	30·4	1010·9	1014·5	+0·5	289·8	305·3	Sept. 7	279·2	263·4	Jan. 16, Feb. 7	284·5	+0·8	283·6	1920	+ 947
566		N.	E.															

YEAR—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal
		° N.	° W.															
605	Honolulu	21 19	157 52	11·6	1014·7	1016·0	+0·6	299·1	302·4	Aug., Sept.	293·6	287·4	Feb.	296·3	−0·5	..	679	− 221
606																		
615	Zacatecas	22 47	102 35	2610	747·4	..	..	290·2	296·0	Apr. 11, 13, 30, May 1	280·5	267·0	Nov. 29	285·4	..	..	470	..
616	Leon	21 7	101 41	1798·6	823·1	..	−0·1	298·7	305·8	April 14	284·9	275·5	Jan. 13	291·8	+0·4	..	807	+ 131
617	Galveston	29 18	94 50	16·5	1015·9	1018·0	+1·4	297·1	309·1	June 13	291·8	265·8	Jan. 3	294·4	+0·7	*294·3*	1299	+ 103
618	New Orleans	29 58	90 4	15·5	1016·3	1018·1	+1·0	299·1	309·7	June 12	290·6	267·4	Jan. 4	294·9	+1·8	*294·5*	1724	+ 260
619	Havana	23 8	82 22	24·3	..	1017·1	+1·0	..	305·7	July 24	..	285·4	Feb. 26	298·0	0·0	*297·8*	1088	− 189
620	Key West	24 33	81 48	6·7	1016·3	1017·1	+0·6	301·1	305·2	July, Aug., Sept.	295·4	285·2	Nov. 30	298·3	+0·4	*298·2*	906	− 76
621	Nassau, Bahamas	25 5	77 21	7·6	1016·9	1017·8	+0·7	300·8	305·2	July 1, 21, Aug. 20	295·3	289·1	Dec. 10	298·1	+0·3	..	1014	− 409
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	294·1	301·1	..	..	..	..	290·8	−1·4	..	322	− 129
634	Las Palmas, Canary Islands	28 7	W 15 26	7	1019·0	1019·8	−0·5	297·1	303·8	Sept. 18, 19	289·9	283·4	Jan. 30	293·5	+0·3	..	105	− 109
637	Insalah	27 17	E 2 27	330	980·1	1017·9	+0·1	306·1	323·0	July 19	289·3	271·0	Jan. 20	297·7	−0·6	*297·9*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1017·4	+0·6	305·3	319·4	May 15	..	274·2	Dec. 28	..	..	..	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1013·0	−0·5	306·6	318·3	May 15, 16, 20	289·7	274·7	Feb. 8	298·2	−0·4	*298·5*	..	..
643	Suez	29 57	32 32	3·4	..	1014·7	+0·8	301·7	313·5	June 29	289·5	279·0	Jan. 24	295·6	+0·6	..	20	− 8
644	Aswan	24 2	32 53	99·6	..	1013·7	+0·5	306·7	319·7	Aug. 14	291·5	279·2	Feb. 12	299·1	−0·3	*299·8*	..	..
647	Bushire	28 59	50 53	4	1009·5	1010·1	−0·3	299·1	317·3	July 4	292·1	274·7	Jan. 31	295·6	−1·4	..	363	+ 82
648	Jask	25 44	57 47	4	1009·0	1009·4	−0·8	302·7	313·7	July 9	295·2	284·0	Feb. 1, 2	298·9	−0·7	..	161	+ 55
649	Kurrachee	24 53	66 57	4	1009·7	1010·1	+0·4	301·2	308·0	Nov. 3	294·5	281·3	Jan. 27	297·9	−0·4	*297·3*	123	− 75
650	Hyderabad, Sind	25 24	68 18	29	1005·5	1008·8	0·0	306·3	319·7	May 18	293·1	276·3	Feb. 1	299·7	−0·5	..	96	− 84
651	Jaipur	26 56	75 52	436	960·7	1009·6	−0·1	306·2	318·7	May 22, 26	292·2	275·0	Feb. 2	299·2	+0·5	*298·5*	452	− 160
652	Nagpur	21 8	79 5	310	974·8	1009·7	+0·2	306·2	318·9	May 25	293·5	279·8	Feb. 2, Dec. 30	299·9	−0·1	*299·4*	1218	− 30
653	Allahabad	25 25	81 51	91	997·7	1008·4	−0·4	305·2	319·2	May 18, 19, 20	292·8	277·7	Jan. 28, Feb. 3	299·0	+0·2	*298·3*	985	+ 9
654	Calcutta	22 36	88 23	6	1008·0	1008·8	−0·3	304·0	311·8	April 29	294·6	281·9	Jan. 29, Feb. 3	299·3	+0·4	*299·0*	1102	− 468
655	Gauhati	26 8	91 41	59	1003·6	1010·4	..	301·6	309·6	June 11	292·2	278·3	Jan. 29	296·9	..	..	1772	+ 175
655*a*	Cherrapunji	25 15	91 42	1313	867·7	..	..	292·6	300·3	Sept. 22, 23	286·4	273·9	Jan. 29	289·6	..	..	14231	+ 3819
656	Shillong	25 33	91 48	1500	848·5	..	..	293·7	299·6	Apr. 16, Sept. 23	284·9	270·6	Jan. 29	289·3	..	..	2051	− 99
656*a*	Akyab	20 11	92 56	6	1009·4	1010·1	−0·1	302·3	307·4	Sept. 22	294·7	283·8	Feb. 6	298·5	−0·7	*298·3*	5322	+ 459
657	Phu Lien	20 48	106 37	115·6	997·5	1011·4	+0·1	300·5	310·9	June 26	293·7	281·0	Feb. 24	297·1	+0·4	296·3	1357	+ 354
658	Moncay	21 31	107 51	10	1010·1	1011·3	−0·2	300·0	310·8	Sept. 2	292·6	278·5	Feb. 26	296·3	+0·2	*295·6*	2741	+ 60
659																		
660	Hong Kong	22 18	114 10	33·2	1008·2	1012·0	−0·6	297·7	306·9	Aug. 26	293·3	281·4	Feb. 24	295·5	+0·2	295·3	2300	+ 155
661	Taihoku, Formosa	25 2	121 31	9·3	1012·3	1013·4	−0·4	299·1	308·7	July 26	291·5	280·8	March 2	295·3	+0·2	294·7	1763	− 177
662	Naha	26 13	127 41	10·5	1012·6	1013·8	−0·1	298·7	306·3	Aug. 7	292·5	280·7	March 4	295·6	+0·2	295·4	1384	− 765
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. YEAR—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 14	100 7	1933	810·9	..	..	..	301·8	April 14	..	276·6	Jan. 14	290·2	..	*289·8*	793	..
717	Salina Cruz	16 12	95 16	56·3	1006·4	1012·9	..	..	308·0	Feb. 27	..	289·4	Nov.	300·1	..	..	811	..
718	Mexico	19 26	99 8	2280	780·7	..	..	295·4	303·1	April 13	282·3	275·2	Dec. 28	288·8	−0·3	288·4	666	+ 80
718*a*	Oaxaca	17 4	96 44	1563	847·2	..	..	300·4	306·6	April 4	285·5	277·8	Nov. 29	293·0	..	*292·4*	421	..
719	Belize	17 29	88 12	2·1	..	..	..	302·6	308·0	Oct. 30	297·4	289·7	Nov. 30	300·0	−0·4	*298·9*	3326	+ 963
720	San Salvador	13 44	89 9	657	938·3	1011·9	+1·0	304·4	310·0	April 23	290·8	285·0	Feb. 3, 16	297·6	+0·8	..	986	− 750
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·6	+0·5	303·3	306·4	July 28	294·3	289·8	March 9	298·8	−0·1	*298·3*	978	− 400
722	Port au Prince	18 34	72 22	37·4	1010·6	1014·9	+3·0	305·4	310·2	Aug.	294·4	289·8	Feb.	299·9	+0·1	299·2	1400	+ 71
723	St. Croix (Christiansted)	17 45	64 42	6·6	1011·5	1012·4	..	302·0	306·0	Oct.	297·1	291·5	March	299·6	..	..	978	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·1	1013·0	+0·5	301·8	305·2	sev.	296·5	293·0	March 11	299·2	+0·3	*298·7*	1756	− 178
725	Barbados	13 8	59 36	55·2	..	1011·5	0·0	301·8	304·7	Aug.	297·1	289·1	..	299·5	0·0	*299·3*	1263	− 80
731	St. Vincent, C. Verde Is.	16 54	25 4	11	..	1017·1	+3·1	298·1	..	..	294·0	285·7	May 21	296·1	−0·7	..	..	..
732	San Tiago, C. Verde Is.	14 54	23 31	34	1014·5	1018·4	..	300·1	307·0	July 18	295·1	289·6	Feb. 16	297·6	+0·3	..	142	− 135
733	Bathurst	13 24	16 36	1·5	1012·4	1012·6	+0·1	302·5	313·6	April 19	293·8	286·9	Jan. 12	298·2	−0·2	*298·6*	715	− 518
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	309·6	317·4	April 10, 19	291·8	282·4	Dec. 11	300·7	−0·5	..	811	− 20
735	Ségou	13 34	6 17	? 272	..	..	..	..	?317·0	April 10	293·7	281·6	Jan. 5	..	..	..	639	..
736	Timbouctoo	16 43	W 2 52	250	982·2	1011·0	+0·7	..	319·0	Apr., May, June	..	280·0	Dec.	..	..	..	171	..
737	Sokoto	13 2	E 5 14	354	..	..	..	306·0	314·7	April 6, 9, 10	294·6	283·6	Jan. 26	300·3	−0·3	..	708	+ 137
738	Kontagora	10 24	5 24	400	..	..	..	306·2	311·9	Mar. 7, 18, Apr. 10	292·9	280·8	Dec. 29	299·6	−0·2	..	1358	+ 100
739	Maiduguri	11 48	13 12	370	..	..	..	308·7	316·9	April 9, May 3	293·1	283·6	Dec. 23	300·9	−0·2	..	755	+ 192
740	Katagum	12 17	10 22	329	..	..	..	308·7	318·0	April 7	292·5	281·9	Feb. 10, Dec. 24, 25	300·6	+0·3	..	507	+ 2
742																		
743	El Obeid	13 11	30 14	585	..	1012·9	0·0	307·7	315·8	April 25, June 4	290·8	278·5	Jan. 30, Feb. 20	299·3	+0·1	*299·7*	329	− 56
744	Khartoum	15 37	32 33	390	..	1011·1	+1·1	309·5	318·8	June 4	294·3	280·7	Feb. 20	301·9	−0·1	*302·2*	76	− 35
745	Aden	12 45	45 3	28·7	1008·0	1011·3	+0·3	303·9	310·0	June 5	298·9	294·1	Jan. 1	301·4	+0·1	*300·9*	39	− 28
751	Bombay	18 54	72 49	11·3	1009·8	1011·1	+0·3	303·4	307·4	May 30, 31	297·2	287·7	Feb. 2	300·3	+0·4	*299·7*	1181	− 644
752	Mysore	12 18	76 40	768	927·3	1011·5	+0·3	302·8	309·4	April 15, 16	291·4	285·2	Jan. 13	297·1	−0·4	297·1	893	+ 98
752*a*	Kodaikanal	10 13	77 28	2343	771·0	..	−0·2	291·3	297·7	May 16	283·6	277·4	Feb. 7	287·4	+0·1	286·7	1626	+ 61
753	Madras	13 4	80 14	6·7	1009·8	1010·6	0·0	306·3	314·4	June 2	297·2	289·1	Feb. 20	301·3	+0·5	301·0	928	− 329
754	Waltair	17 45	83 16	68·9	1001·9	1009·7	+0·2	303·4	312·2	May 30	297·0	290·4	Jan. 2	300·2	..	*299·6*	561	− 386
755	Port Blair	11 40	92 40	17·7	1008·7	1010·7	+0·2	303·2	306·4	April 4	297·7	294·1	Jan. 29	300·4	−0·4	*299·8*	2687	− 322
756	Rangoon	16 46	95 48	5·5	1010·3	1011·0	0·0	304·7	311·1	April 12	295·9	286·6	Feb. 10	300·3	−0·1	*299·2*	2649	+ 169
757	Saigon	10 46	106 42	11·2	1008·6	1009·9	+0·7	307·0	312·0	April 6	295·2	290·2	Feb. 25	301·1	+0·3	..	1682	− 263
758	Nhatrang	12 16	109 12	6·8	1009·2	1010·0	+0·4	305·0	312·0	July 7	295·9	290·2	March 4	300·4	+0·3	..	946	− 455
759	Bolinao	16 24	119 53	7·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
760	Vigan	17 34	120 23	*14·7*	..	1008·9	−0·5	304·3	311·0	April 23	295·5	289·0	March 2	299·9	−0·4	299·6	4697	+ 1875
761	Manila	14 35	120 59	14·2	..	1009·5	−0·2	304·9	308·6	April 17	294·9	289·2	March 9, 10	299·9	−0·6	299·1	1718	− 213
762	Ormoc	11 0	124 36	5·6	..	1009·1	−0·2	303·4	306·0	March 19	295·1	289·2	March 6	299·3	−0·2	298·8	1407	− 844
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·2	305·2	May 2	297·3	295·0	Apr. 6, May 6, 7, 8, Nov. 24	299·8	..	..	2752	..
		N.	E.															

Between Latitude 10° N. and 0°. YEAR—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal
		° N.	° W.															
805	Fanning Island	3 55	159 23	4·3	1010·8	1011·2	−0·3	302·6	307·2	Nov. 4	297·9	294·9	Jan. 6, May 9	300·3	0·0	*299·6*	2653	− 140
819	Culebra	9 10	79 40	123·1	..	1010·5	−0·3	303·4	306·3	April 29	295·1	291·3	March 27	299·2	+0·1	..	1901	− 314
823																		
825	El Peru, Guayanavieja	7 30	62 0	?300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	1012·9	1013·1	+0·9	302·9	305·2	Sept. 24, 25, 27	296·7	294·7	May 27, July 27	299·8	+0·1	..	2233	− 177
826*a*	Paramaribo	5 49	55 9	4	1012·5	1013·0	..	303·1	307·0	Sept. 17, Oct. 2	295·7	291·0	Dec. 27	299·4	..	298·8	2444	+ 173
	Cayenne	4 56	52 21	6	..	..	..	303·2	306·6	Sept. 25	296·0	292·6	Jan. 28	299·6	−0·7	..	3158	+ 241
833	Conakry	9 31	13 43	16	..	..	..	303·5	307·7	March	295·6	?293·0	Oct.	299·6	−0·2	..	4318	− 304
834	Sierra Leone	8 30	13 9	68·3	1003·3	1011·2	−0·3	304·3	308·8	Jan. 29	295·7	291·8	June 17	300·0	−0·2	..	3470	− 652
835	Cape Coast Castle	5 5	1 13	..	..	..	..	302·0	308·6	Nov., Dec.	294·5	286·9	Sept. 18	298·2	−1·2	..	568	− 270
836	Accra	5 35	W 0 6	18	..	..	..	302·3	305·2	sev.	295·1	285·2	Jan. 16	298·7	−0·5	..	1050	+ 374
837	Lagos	6 22	E 3 28	7·6	1011·6	1012·5	+1·1	303·1	307·1	July	295·9	291·3	Jan.	299·2	−0·5	..	2212	+ 405
838	Zungeru	9 48	6 10	130	997·0	1011·8	+0·6	306·1	312·4	Feb. 18	294·1	285·2	Nov. 26	300·1	−0·3	..	1090	− 55
838*a*	Libreville	0 23	9 26	35	..	..	..	303·0	305·3	April 8, 30	295·3	291·1	Aug. 15	299·1	+0·2	..	1616	− 946
839	Yola	9 12	12 30	259	..	..	..	306·3	313·6	March 26	295·2	288·0	Nov. 27	300·8	+0·1	..	1073	+ 89
841	Kafia Kingi	9 22	24 18	596	946·5	1012·5	..	..	..	..	..	..	..	296·6	..	..	839	..
842	Wau	7 42	28 3	440	..	..	..	306·8	313	March 25	291·9	283	Jan. 18	299·4	..	..	1236	..
843	Entebbe	0 5	32 29	1177	883·2	..	+0·3	298·9	303·0	Jan. 11	289·8	286·9	July 8	294·3	0·0	*293·9*	1344	− 138
844	Nandi	0 2	35 5	2010	..	..	..	298·4	305·2	Feb. 14, Mar. 6	283·1	279·7	Sept. 25	290·8	+0·2	..	1451	− 283
845																		
851	Cothin	10 0	76 21	2·7	1011·4	1011·6	+0·2	303·9	308·4	April 24	296·8	293·4	Jan. 12, 20, Feb. 9	300·4	+0·1	*299·8*	2850	− 42
852	Colombo Observatory	6 54	79 53	7·3	1009·1	1009·9	+0·6	304·5	308·4	Feb. 19	296·6	291·1	Jan. 27, 28	300·6	+0·1	*300·0*	1762	− 596
853	Candy	7 18	80 40	504·5	..	..	..	..	306·7	May 16, 18	293·4	287·4	Jan. 28, Feb. 2	297·5	+0·3	..	2206	+ 111
855	Medan	3 35	98 41	23·5	..	1009·8	−0·6	304·9	309·3	April 14	294·2	291·5	March 2	299·6	..	..	1617	− 412
856																		
857	Penang	5 34	100 20	5·0	1007·8	1008·4	−1·6	304·8	308·0	June 30	296·4	294·1	Mar. 16, Nov. 19	300·6	+0·1	..	1962	− 864
858	Singapore	1 17	103 51	3·0	1009·7	1010·0	+0·6	304·4	307·9	April 14	296·4	293·7	Feb. 25	300·4	+0·7	..	2238	− 99
860	Sandakan	5 49	118 12	..	..	..	..	304·3	306·9	July 10	296·8	295·2	Aug. 23, 24, Dec. 16	300·6	+0·4	..	3165	− 32
861	Tagbilaran	9 38	123 51	21·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
862	Surigao	9 48	125 29	6	..	..	..	303·3	306·9	Aug. 31, Sept. 1, 28	296·4	292·1	March 6	299·9	..	..	2845	− 289
863	Yap	9 29	138 8	31·9	..	..	..	303·4	?306·2	Oct. 2	..	?295·7	Feb. 25	..	..	..	3577	..
869	Uyelang	9 42	161 2	<10	..	..	..	..	..	..	..	..	..	..	..	..	?2904	+ 947
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

YEAR—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° N. ′	° E. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Algiers	36 47	3 4	38·5	1012·4	1017·0	+2·0	295·5	311·8	July 29	288·5	278·1	Jan. 5	292·0	−0·1	*291·5*	672	+ 21
538	Palma	39 33	2 42	23	..	1018·1	+1·6	294·5	310	July 29, Aug. 7	286·7	275	Jan. 4, 9	290·6	+0·8	..	359	− 94
538a	Tunis	36 48	10 10	43	1013·6	1018·7	+2·4	296·1	315·0	Sept. 16	286·8	273·5	Feb. 10	291·5	+0·6	..	454	+ 108
539	Malta	35 54	14 31	59	..	1017·7	+1·3	294·4	307	Aug. 1	289·1	276	Feb. 21	291·7	+0·1	..	647	+ 197
540	Catania	37 30	15 3	64·9	1008·8	1016·6	+1·1	294·5	311·2	Sept. 17	286·5	272·0	Feb. 10	290·5	−0·1	..	763	+ 125
541	Athens	37 58	23 43	107·1	..	1015·6	+0·4	293·9	315	Aug. 25	286·2	268	Feb. 11	290·0	−0·7	*289·7*	383	− 17
542	Alexandria	31 9	29 54	32·0	..	1015·2	+0·2	297·5	311	May 23, June 2	289·9	279	Feb. 11	293·7	−0·2	*293·1*	188	− 36
543	Cairo (Helwan)	29 52	31 20	115·6	..	1014·9	−0·2	300·3	315	May 23	287·9	275	Jan. 27	294·1	−0·2	293·8	25	− 11
544	Nicosia	35 12	33 24	152	..	1012·7	−0·8	298·2	314	Aug. 25, 28	282·4	269	Jan. 28	290·3	−1·4	..	470	+ 94
544a	Beirut	33 54	35 28	52·4	..	1012·8	−0·2	296·5	306	June 3, Aug. 1	289·3	274	Jan. 29	292·9	−0·7	..	1167	+ 258
545	Baghdad	33 21	44 28	38·7	1007·4	1012·0	−0·3	301·3	320·1	July 9	287·9	268·4	Jan. 30	294·6	−0·9	..	221	+ 45
546	Lenkoran	38 46	48 52	−19	1019·4	1017·2	+0·1	..	305·4	Aug. 3	282·4	263·4	Feb. 3	286·0	−2·1	*285·8*	1183	− 8
547	Busrah	30 31	47 53	7·6	1010·3	1011·2	−1·3	300·4	316·1	July 2	291·0	268·7	Jan. 30	295·7	−1·0	..	278	+ 120
548	Meshed	36 16	59 35	946	906·2	1015·1	..	293·0	309·9	June 5	277·9	252·9	Jan. 13	285·4	−1·1	..	253	+ 15
549	Quetta	30 11	67 3	1677	832·3	..	0·0	295·9	310·8	Aug. 16	279·5	264·2	Jan. 31	287·7	−0·3	*287·5*	320	+ 66
550																		
551	Lahore	31 34	74 20	214	984·0	1008·5	−0·3	305·2	320·2	June 7	290·8	275·3	Feb. 2	298·0	+0·7	*297·4*	397	− 104
551a	Simla	31 7	77 8	2204·3	780·6	..	+0·1	289·0	300·7	June 1	282·9	264·7	Feb. 1	285·9	0·0	*285·7*	1569	− 34
552	Leh	34 10	77 42	3506	665·8	..	−0·3	285·7	302·4	July 30	271·3	248·3	Feb. 5	278·5	−0·4	*277·6*	66	− 17
552a	Dehra Dun	30 20	78 0	681	..	..	..	..	..	..	..	..	..	..	..	..	2027	− 134
559	Hang Kow	30 35	114 17	37·0	1012·6	1017·0	0·0	293·5	310·4	July 23	286·2	269·1	Jan. 12, 19	289·9	−0·2	..	1235	− 137
560	Tiensin	39 10	117 10	5·0	1017·5	1018·2	+0·8	289·4	307·7	July 17	280·0	254·4	Feb. 3	284·7	−0·9	..	638	+ 150
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	1015·4	1016·2	−0·3	293·2	309·8	July 25	284·5	266·4	Jan. 12	288·9	+0·3	288·0	1218	+ 93
562	Chemulpo	37 29	126 32	67·6	1008·8	1017·1	+1·1	287·6	306·8	Aug. 10	280·3	255·9	Jan. 13	284·0	−1·1	283·6	857	− 31
562a	Nagasaki	32 44	129 52	133·0	1000·1	1016·0	+0·5	292·7	306·1	Aug. 13	285·0	269·5	Jan. 24	288·9	−0·2	288·6	2344	+ 352
563	Kioto	35 1	135 46	49·4	1010·3	1016·2	+0·8	293·7	308·9	July 20	281·4	265·7	Jan. 25	287·5	+0·5	287·0	1931	+ 335
564	Tokio	35 41	139 45	21·3	1012·4	1014·9	+0·7	291·9	306·4	Aug. 21	283·5	267·6	Jan. 2	287·7	+0·6	287·4	1867	+ 370
565	Miyako	39 38	141 59	30·4	1010·9	1014·5	+0·5	289·8	305·3	Sept. 7	279·2	263·4	Jan. 16, Feb. 7	284·5	+0·8	283·6	1920	+ 947
566																		
		N.	E.															

YEAR—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
605	Honolulu	21 19	157 52	11·6	1014·7	1016·0	+0·6	299·1	302·4	Aug., Sept.	293·6	287·4	Feb.	296·3	−0·5	..	679	− 221
606																		
615	Zacatecas	22 47	102 35	2610	747·4	..	..	290·2	296·0	Apr. 11, 13, 30, May 1	280·5	267·0	Nov. 29	285·4	..	..	470	..
616	Leon	21 7	101 41	1798·6	823·1	..	−0·1	298·7	305·8	April 14	284·9	275·5	Jan. 13	291·8	+0·4	..	807	+ 131
617	Galveston	29 18	94 50	16·5	1015·9	1018·0	+1·4	297·1	309·1	June 13	291·8	265·8	Jan. 3	294·4	+0·7	*294·3*	1299	+ 103
618	New Orleans	29 58	90 4	15·5	1016·3	1018·1	+1·0	299·1	309·7	June 12	290·6	267·4	Jan. 4	294·9	+1·8	*294·5*	1724	+ 260
619	Havana	23 8	82 22	24·3	..	1017·1	+1·0	..	305·7	July 24	..	285·4	Feb. 26	298·0	..	*297·8*	1088	− 189
620	Key West	24 33	81 48	6·7	1016·3	1017·1	+0·6	301·1	305·2	July, Aug., Sept.	295·4	285·2	Nov. 30	298·3	+0·4	*298·2*	906	− 70
621	Nassau, Bahamas	25 5	77 21	7·6	1016·9	1017·8	+0·7	300·8	305·2	July 1, 21, Aug. 20	295·3	289·1	Dec. 10	298·1	+0·3	..	1014	− 409
622																		
633	Puerto de Orotava	28 25	16 32	321	..	..	..	294·1	301·1	..	287·6	282·0	..	290·8	−1·4	..	322	− 129
634	Las Palmas, Canary Islands	28 7	W15 26	7	1019·0	1019·8	−0·5	297·1	303·8	Sept. 18, 19	289·9	283·4	Jan. 30	293·5	+0·3	..	105	− 109
637	Insalah	27 17	E 2 27	330	980·1	1017·9	+0·1	306·1	323·0	July 19	289·3	271·0	Jan. 20	297·7	−0·6	*297·9*	..	..
638																		
641	Dakhla Oasis	25 30	29 0	130·0	..	1017·4	+0·6	305·3	319·4	May 15	..	274·2	Dec. 28	..	..	..	..	..
642	Wadi Halfa	21 55	31 20	128·3	..	1013·0	−0·5	306·6	318·3	May 15, 16, 20	289·7	274·7	Feb. 8	298·2	−0·4	*298·5*	..	..
643	Suez	29 57	32 32	3·4	..	1014·7	+0·8	301·7	313·5	June 29	289·5	279·0	Jan. 24	295·6	+0·6	..	20	− 8
644	Aswan	24 2	32 53	99·6	..	1013·7	+0·5	306·7	319·7	Aug. 14	291·5	279·2	Feb. 12	299·1	−0·3	*299·8*	..	..
647	Bushire	28 59	50 53	4	1009·5	1010·1	−0·3	299·1	317·3	July 4	292·1	274·7	Jan. 31	295·6	−1·4	..	363	+ 82
648	Jask	25 44	57 47	4	1009·0	1009·4	−0·8	302·7	313·7	July 9	295·2	284·0	Feb. 1, 2	298·9	−0·7	..	161	+ 55
649	Kurrachee	24 53	66 57	4	1009·7	1010·1	+0·4	301·2	308·0	Nov. 3	294·5	281·3	Jan. 27	297·9	−0·4	*297·3*	123	− 75
650	Hyderabad, Sind	25 24	68 18	29	1005·5	1008·8	0·0	306·3	319·7	May 18	293·1	276·3	Feb. 1	299·7	−0·5	..	96	− 84
651	Jaipur	26 56	75 52	436	960·7	1009·6	−0·1	306·2	318·7	May 22, 26	292·2	275·0	Feb. 2	299·2	+0·5	*298·5*	452	− 160
652	Nagpur	21 8	79 5	310	974·8	1009·7	+0·2	306·2	318·9	May 25	293·5	279·8	Feb. 2, Dec. 30	299·9	−0·1	*299·4*	1218	− 30
653	Allahabad	25 25	81 51	91	997·7	1008·4	−0·4	305·2	319·2	May 18, 19, 20	292·8	277·7	Jan. 28, Feb. 3	299·0	+0·2	*298·3*	985	− 9
654	Calcutta	22 36	88 23	6	1008·0	1008·8	−0·3	304·0	311·8	April 29	294·6	281·9	Jan. 29, Feb. 3	299·3	+0·4	*299·0*	1102	− 468
655	Gauhati	26 8	91 41	59	1003·6	1010·4	..	301·6	309·6	June 11	292·2	278·3	Jan. 29	296·9	..	..	1772	+ 175
655a	Cherrapunji	25 15	91 42	1313	867·7	..	..	292·6	300·3	Sept. 22, 23	286·4	273·9	Jan. 29	289·6	..	..	14231	+ 2819
656	Shillong	25 33	91 48	1500	848·5	..	..	293·7	299·6	Apr. 16, Sept. 23	284·9	270·6	Jan. 29	289·3	..	..	2051	− 99
656a	Akyab	20 11	92 56	6	1009·4	1010·1	−0·1	302·3	307·4	Sept. 22	294·7	283·8	Feb. 6	298·5	−0·7	*298·3*	5322	+ 459
657	Phu Lien	20 48	106 37	115·6	997·5	1011·4	+0·1	300·5	310·9	June 26	293·7	281·0	Feb. 24	297·1	+0·4	296·3	1357	− 354
658	Moncay	21 31	107 51	10	1010·1	1011·3	−0·2	300·0	310·8	Sept. 2	292·6	278·5	Feb. 26	296·3	+0·2	*295·6*	2741	+ 60
659																		
660	Hong Kong	22 18	114 10	33·2	1008·2	1012·0	−0·6	297·7	306·9	Aug. 26	293·3	281·4	Feb. 24	295·5	+0·2	295·3	2300	+ 155
661	Taihoku, Formosa	25 2	121 31	9·3	1012·3	1013·4	−0·4	299·1	308·7	July 26	291·5	280·8	March 2	295·3	+0·2	294·7	1763	− 177
662	Naha	26 13	127 41	10·5	1012·6	1013·8	−0·1	298·7	306·3	Aug. 7	292·5	280·7	March 4	295·6	+0·2	295·4	1384	− 765
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. YEAR—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Zapotlanejo	19 50	103 4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
716	Morelia	19 14	100 7	1933	810·9	..	..	..	301·8	April 14	..	276·6	Jan. 14	290·2	..	*289·8*	793	..
717	Salina Cruz	16 12	95 16	56·3	1006·4	1012·9	..	..	308·0	Feb. 27	..	289·4	Nov.	300·1	..	..	811	..
718	Mexico	19 26	99 8	2280	780·7	..	+0·9	295·4	303·1	April 13	282·3	275·2	Dec. 28	288·8	−0·3	288·4	666	+ 80
718a	Oaxaca	17 4	96 44	1563	847·2	..	..	300·4	306·6	April 4	285·5	277·8	Nov. 29	293·0	..	*292·4*	421	..
719	Belize	17 29	88 12	2·1	..	..	..	302·6	308·0	Oct. 30	297·4	289·7	Nov. 30	300·0	−0·4	*298·9*	3326	+ 963
720	San Salvador	13 44	89 9	657	938·3	1011·9	+1·0	304·4	310·0	April 23	290·8	285·0	Feb. 3, 16	297·6	+0·8	..	986	− 750
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·6	+0·5	303·3	306·4	July 28	294·3	289·8	March 9	298·8	−0·1	*298·3*	978	+ 400
722	Port au Prince	18 34	72 22	37·4	1010·6	1014·9	+3·0	305·4	310·2	Aug.	294·4	289·8	Feb.	299·9	+0·1	299·2	1400	+ 71
723	St. Croix (Christiansted)	17 45	64 42	6·6	1011·5	1012·4	..	302·0	306·0	Oct.	297·1	291·5	March	299·6	..	..	978	..
724	Grenada (Richmond Hill)	12 3	61 45	155·1	995·1	1013·0	+0·5	301·8	305·2	sev.	296·5	293·0	March 11	299·2	+0·3	*298·7*	1756	− 178
725	Barbados	13 8	59 36	55·2	..	1011·5	0·0	301·8	304·7	Aug.	297·1	289·1	..	299·5	0·0	*299·3*	1263	− 80
731	St. Vincent, C. Verde Is.	16 54	25 4	11	298·1	..	..	294·0	285·7	May 21	296·1	−0·7	..	..	..	..	..	..
732	San Tiago, C. Verde Is.	14 54	23 31	34	1014·5	1018·4	..	300·1	307·0	July 18	295·1	289·6	Feb. 16	297·6	+0·3	..	142	− 135
733	Bathurst	13 24	16 36	1·5	1012·4	1012·6	+0·1	302·5	313·6	April 19	293·8	286·9	Jan. 12	298·2	−0·2	*298·6*	715	− 518
734	M'Carthy Island	13 42	14 46	1·1	..	..	..	309·6	317·4	April 10, 19	291·8	282·4	Dec. 11	300·7	−0·5	..	811	− 20
735	Ségou	13 34	6 17	? 272	..	..	..	..	?317·0	April 10	293·7	281·6	Jan. 5	..	..	..	639	..
736	Timbouctoo	16 43	W 2 52	250	982·2	1011·0	+0·7	..	319·0	Apr., May, June	..	280·0	Dec.	..	..	..	171	..
737	Sokoto	13 2	E 5 14	354	..	..	..	306·0	314·7	April 6, 9, 10	294·6	283·6	Jan. 26	300·3	−0·3	..	708	+ 137
738	Kontagora	10 24	5 24	400	..	..	..	306·2	311·9	Mar. 7, 18, Apr. 10	292·9	280·8	Dec. 29	299·6	−0·2	..	1358	+ 100
739	Maiduguri	11 48	13 12	370	..	..	..	308·7	316·9	April 9, May 3	293·1	283·6	Dec. 23	300·9	−0·2	..	755	+ 192
740	Katagum	12 17	10 22	329	..	..	..	308·7	318·0	April 7	292·5	281·9	Feb. 10, Dec. 24, 25	300·6	+0·3	..	507	+ 2
742																		
743	El Obeid	13 11	30 14	585	..	1012·9	0·0	307·7	315·8	April 25, June 4	290·8	278·5	Jan. 30, Feb. 20	299·3	+0·1	*299·7*	329	− 56
744	Khartoum	15 37	32 33	390	..	1011·1	+1·1	309·5	318·8	June 4	294·3	280·7	Feb. 20	301·9	−0·1	*302·2*	76	− 35
746	Aden	12 45	45 3	28·7	1008·0	1011·3	+0·3	303·9	310·0	June 5	298·9	294·1	Jan. 1	301·4	+0·1	*300·9*	39	− 28
751	Bombay	18 54	72 49	11·3	1009·8	1011·1	+0·3	303·4	307·4	May 30, 31	297·2	287·7	Feb. 2	300·3	+0·4	*299·7*	1181	− 644
752	Mysore	12 18	76 40	768	927·3	1011·5	+0·3	302·8	309·4	April 15, 16	291·4	285·2	Jan. 13	297·1	−0·4	297·1	893	+ 98
752a	Kodaikanal	10 13	77 28	2343	771·0	..	−0·2	291·3	297·7	May 16	283·6	277·4	Feb. 7	287·4	+0·1	286·7	1626	+ 61
753	Madras	13 4	80 14	6·7	1009·8	1010·6	0·0	306·3	314·4	June 2	297·2	289·1	Feb. 20	301·3	+0·5	301·0	928	− 329
754	Waltair	17 45	83 16	68·9	1001·9	1009·7	+0·2	303·4	312·2	May 30	297·0	290·4	Jan. 2	300·2	..	*299·6*	561	− 386
755	Port Blair	11 40	92 40	17·7	1008·7	1010·7	+0·2	303·2	306·4	April 4	297·7	294·1	Jan. 29	300·4	−0·4	*299·8*	2687	− 322
756	Rangoon	16 46	95 48	5·5	1010·3	1011·0	0·0	304·7	311·1	April 12	295·9	286·6	Feb. 10	300·3	−0·1	*299·2*	2649	+ 169
757	Saigon	10 46	106 42	11·2	1008·6	1009·9	+0·7	307·0	312·0	April 6	295·2	290·2	Feb. 25	301·1	+0·3	..	1682	− 263
758	Nhatrang	12 16	109 12	6·8	1009·2	1010·0	+0·4	305·0	312·0	July 7	295·9	290·2	March 4	300·4	+0·3	..	946	− 455
759	Bolinao	16 24	119 53	7·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
760	Vigan	17 34	120 23	14·7	..	1008·9	−0·5	304·3	311·0	April 23	295·5	289·0	March 2	299·9	−0·4	299·6	4697	+ 1875
761	Manila	14 35	120 59	14·2	..	1009·5	−0·2	304·9	308·6	April 17	294·9	289·2	March 9, 10	299·9	−0·6	299·1	1718	− 213
762	Ormoc	11 0	124 36	5·6	..	1009·1	−0·2	303·4	306·0	March 19	295·1	289·2	March 6	299·3	−0·2	298·8	1407	− 844
765	Guam, Ladrone Is.	13 24	144 38	20·4	..	..	..	302·2	305·2	May 2	297·3	295·0	Apr. 6, May 6, 7, 8, Nov. 24	299·8	..	..	2752	..
		N.	E.															

Between Latitude 10° N. and 0°. YEAR—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min.	Temperature. Absolute Min.	Temperature. Date.	Temperature. *Mean.	Temperature. Diff. from Normal.	Temperature. †24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° N. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 55	159 23	4·3	1010·8	1011·2	−0·3	302·6	307·2	Nov. 4	297·9	294·9	Jan. 6, May 9	300·3	0·0	*299·6*	2653	− 140
819	Culebra	9 10	79 40	123·1	..	1010·5	−0·3	303·4	306·3	April 29	295·1	291·3	March 27	299·2	+0·1	..	1901	− 314
822																		
823	El Peru, Guayanavieja	7 30	62 0	?300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	1012·9	1013·1	+0·9	302·9	305·2	Sept. 24, 25, 27	296·7	294·7	May 27, July 27	299·8	+0·1	..	2233	− 177
826	Paramaribo	5 49	55 9	4	1012·5	1013·0	..	303·1	307·0	Sept. 17, Oct. 2	295·7	291·0	Dec. 27	299·4	..	298·8	2444	+ 173
826a	Cayenne	4 56	52 21	6	..	..	..	303·2	306·6	Sept. 25	296·0	292·6	Jan. 28	299·6	−0·7	..	3158	+ 241
833	Conakry	9 31	13 43	16	..	..	..	303·5	307·7	March	295·6	?293·0	Oct.	299·6	−0·2	..	4318	− 304
834	Sierra Leone	8 30	13 9	68·3	1003·3	1011·2	−0·3	304·3	308·8	Jan. 29	295·7	291·8	June 17	300·0	−0·2	..	3470	− 652
835	Cape Coast Castle	5 5	1 13	..	..	..	..	302·0	308·6	Nov., Dec.	294·5	286·9	Sept. 18	298·2	−1·2	..	568	− 270
836	Accra	5 35	W 0 6	18	..	..	..	302·3	305·2	sev.	295·1	285·2	Jan. 16	298·7	−0·5	..	1050	+ 374
837	Lagos	6 22	E 3 28	7·6	1011·6	1012·5	+1·1	303·1	307·1	July	295·9	291·3	Jan.	299·2	−0·5	..	2212	+ 405
838	Zungeru	9 48	6 10	130	997·0	1011·8	+0·6	306·1	312·4	Feb. 18	294·1	285·2	Nov. 26	300·1	−0·3	..	1090	− 55
838a	Libreville	0 23	9 26	35	..	..	..	303·0	305·3	April 8, 30	295·3	291·1	Aug. 15	299·1	+0·2	..	1616	− 946
839	Yola	9 12	12 30	259	..	..	..	306·3	313·6	March 26	295·2	288·0	Nov. 27	300·8	+0·1	..	1073	+ 89
841	Kafia Kingi	9 22	24 18	596	946·5	1012·5	..	..	..	..	..	..	..	296·6	..	..	839	..
842	Wau	7 42	28 3	440	..	..	..	306·8	313	March 25	291·9	283	Jan. 18	299·4	..	..	1236	..
843	Entebbe	0 5	32 29	1177	883·2	..	+0·3	298·9	303·0	Jan. 11	289·8	286·9	July 8	294·3	0·0	*293·9*	1344	− 138
844	Nandi	0 2	35 5	2010	..	..	..	298·4	305·2	Feb. 14, Mar. 6	283·1	279·7	Sept. 25	290·8	+0·2	..	1451	− 283
845																		
851	Cothin	10 0	76 21	2·7	1011·4	1011·6	+0·2	303·9	308·4	April 24	296·8	293·4	Jan. 12, 20, Feb. 9	300·4	+0·1	*299·8*	2850	− 42
852	Colombo Observatory	6 54	79 53	7·3	1009·1	1009·9	+0·6	304·5	308·4	Feb. 19	296·6	291·1	Jan. 27, 28	300·6	+0·1	*300·0*	1762	− 596
853	Candy	7 18	80 40	504·5	..	..	..	301·6	306·7	May 16, 18	293·4	287·4	Jan. 28, Feb. 2	297·5	+0·3	..	2206	+ 111
855	Medan	3 35	98 41	23·5	..	1009·8	−0·6	304·9	309·3	April 14	294·2	291·5	March 2	299·6	..	..	1617	− 412
856																		
857	Penang	5 34	100 20	5·0	1007·8	1008·4	−1·6	304·8	308·0	June 30	296·4	294·1	Mar. 16, Nov. 19	300·6	+0·1	..	1962	− 864
858	Singapore	1 17	103 51	3·0	1009·7	1010·0	+0·6	304·4	307·9	April 14	296·4	293·7	Feb. 25	300·4	+0·7	..	2238	− 99
860	Sandakan	5 49	118 12	..	..	..	..	304·3	306·9	July 10	296·8	295·2	Aug. 23, 24, Dec. 16	300·6	+0·4	..	3165	− 32
861	Tagbilaran	9 38	123 51	21·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
862	Surigao	9 48	125 29	6	..	..	..	303·3	306·9	Aug. 31, Sept. 1, 28	296·4	292·1	March 6	299·9	..	..	2845	− 289
863	Yap	9 29	138 8	31·9	..	..	..	303·4	?306·2	Oct. 2	..	?295·7	Feb. 25	..	..	..	3577	..
869	Uyelang	9 42	161 2	<10	..	..	..	..	..	..	..	..	..	..	..	..	?2904	+ 947
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

YEAR—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	3 59	155 0	7·9	1009·5	1010·4	+1·3	305·4	308·0	Dec. 8	297·0	294·1	Nov. 5	301·2	−0·1	..	571	− 35
906																		
923	Manaos	3 8	59 59	32·4	1003·8	1007·5	−0·6	..	..	..	..	..	..	..	..	..	..	..
930	Fernando Noronha	3 51	W32 25	95	..	1013·1	+1·6	300·0	301·7	Feb. 27	296·7	293·7	July 24	298·3	..	..	790	..
939	Sainte-Croix-des-Eshiras	1 44	E10 21	195	..	..	..	..	310·0	March 19	..	286·9	June 18	..	..	..	..	..
940	Loango	4 38	11 50	? 50	..	..	..	..	305·5	March 19	..	288·7	Aug. 8	..	..	..	..	..
943	Daressalam	6 49	39 18	7·6	1013·0	1013·8	−0·4	301·4	305·2	March 28	294·6	288·4	June 14	298·0	−0·6	297·9	849	− 298
944	Nairobi	1 18	36 59	1660	..	..	..	296·6	304·1	Feb. 26, Nov. 15	283·6	276·3	Sept. 23	290·1	−0·4	..	1071	+ 149
944*a*	Zanzibar	6 10	39 11	21·9	1013·6	1016·1	+0·5	301·6	306·2	March 3	297·6	293·6	July 20	299·6	−0·2	*298·7*	1501	− 107
945																		
946	Lamu	2 16	40 54	3·0	..	..	..	302·9	310·8	Sept. 4	295·9	284·1	June 19	299·4	..	..	556	− 821
947	Seychelles	4 37	55 27	4·6	1011·8	1012·4	+0·4	301·2	303·3	April	298·0	295·4	Oct.	299·6	+0·3	..	1953	− 461
948																		
955																		
956	Padang	0 56	100 22	6·7	..	1010·6	−0·5	..	..	..	..	..	..	..	..	..	4593	+ 94
957	Batavia	6 11	106 50	8	..	1010·3	+0·3	303·3	306·7	Sept. 28	296·2	293·3	Aug. 27	299·7	+0·2	299·3	1455	− 335
958	Pontianak	0 1	109 20	2·6	..	1010·0	+0·6	..	..	..	..	..	..	..	..	..	2768	− 426
959	Passerocan	7 38	112 55	5·0	..	1010·3	+0·4	304·1	307·0	Nov.	295·7	290·0	Aug.	299·9	..	..	1031	− 240
960	Kajoemas	7 56	114 9	950	..	..	..	..	..	..	..	..	..	..	..	..	2280	− 204
961	Koepang	10 10	123 34	3·3	..	1010·0	+0·6	..	..	..	..	..	..	..	..	..	772	− 713
962	Ambon	3 42	128 10	4·2	..	1009·6	+0·2	..	..	..	..	..	..	..	..	..	2275	− 1170
965	Daru	9 4	143 13	8	..	..	..	..	..	..	..	..	..	..	..	..	1348	− 997
966	Port Moresby	9 29	147 9	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..
967	Rakuranga	4 13	152 8	*ca.* 120	..	..	..	..	..	..	..	..	..	..	..	..	1850	..
968	Rendova	8 24	157 19	..	..	..	..	..	..	..	..	..	..	..	..	..	5212	+ 114
969	Tulagi, Brit. Solomon Is.	9 5	160 8	2·1	1007·3	1007·5	−0·9	304·2	308·0	Nov. 24	297·5	295·2	July 26, Aug. 12	300·8	+0·6	..	2963	− 46
970	Ocean Island	0 52	169 36	48·5	..	1007·8	−0·4	304·3	306·9	Dec. 29	297·9	295·2	Oct. 15	301·1	+0·2	..	3581	+1554
		S.	E.															

YEAR—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.															
1001																		
1002																		
1003	Alofi, Niue Island	19 2	169 55	36·6	1010·3	1014·6	−0·2	302·4	308·6	Feb. 26	293·4	286·9	Aug. 24, Sept. 17	297·9	−0·1	..	1970	− 269
1004																		
1007	Tahiti (Makatea)	15 47	148 14	47	1006·4	1011·8	+0·2	303·1	305·6	Jan.	296·0	290·5	May	299·5	..	..	1491	..
1008																		
1021	Puerto de Arica	18 28	70 20	10	..	..	..	298·2	307·2	May 31, June 1	287·1	283·0	July 10	292·7	+1·1	*292·2*	?	..
1022	Arequipa	16 22	71 33	2451	760·9	..	+0·1	292·8	298·6	Dec. 20	282·0	276·3	March 7	287·4	+0·4	..	63	− 85
1023																		
1024	Sucre, Bolivia	19 3	67 17	2844	..	..	..	..	309·0	..	..	283·0	..	297·7	+0·1	..	1229	− 182
1025	Araguaya	15 33	52 59	488	..	..	..	..	..	..	..	..	..	289·3	+0·3	..	648	− 19
1026	Cuyaba	15 36	56 0	235	991·8	1018·7	+0·2	302·3	308·0	Oct.	295·7	284·8	July	299·0	−0·4	..	1526	+ 101
1035	St. Helena	15 57	W 5 40	632	946·7	1019·8	+0·2	292·5	299·1	March 30	286·5	283·0	Aug. 4, 10	289·5	+0·2	*289·2*	982	− 22
1036																		
1041																		
1042	Gwelo	19 27	E29 49	1416	860·6	..	+0·1	297·9	308·4	Dec.	283·6	271·9	July	290·8	−0·4	..	547	− 102
1043	Salisbury, Rhodesia	17 49	31 3	1487	..	..	..	297·5	306·4	Nov.	283·9	271·9	July	290·7	−0·7	..	725	− 105
1044	Zomba	15 23	35 18	899	908·3	1008·9	+2·4	298·3	306·0	Nov. 17	287·7	280·2	June 12	293·0	−0·5	*292·0*	1445	+ 64
1045	Tamatave	18 9	49 26	4	1016·7	1017·1	+1·2	..	..	..	..	288·8	June	297·1	−0·4	..	4200	+1082
1046	Tananarivo	18 55	47 32	1400	866·2	..	+0·8	296·7	304·5	Oct. 27	285·5	275·5	June 13	291·1	−0·5	290·2	1254	− 106
1055	Cocos Keeling Is.	12 5	96 54	4·6	..	1013·3	+0·4	301·9	305·2	Jan. 25, March 1	297·6	294·1	July 10	299·7	−0·2	..	2151	+ 381
1056																		
1057	Christmas Is.	10 25	105 43	5·5	1008·4	1009·0	+0·1	303·6	307·0	March	296·4	292·6	Oct.	300·0	−0·1	..	1796	− 460
1058																		
1061	Derby	17 18	123 40	16·2	..	1011·8	+1·1	306·2	316·2	Dec. 5	294·9	281·9	June 24	300·6	0·0	..	341	− 342
1062	Hall's Creek	18 13	127 46	373·4	..	1011·5	+0·1	307·0	315·8	Jan. 6	290·4	273·7	July 26	298·7	+0·2	..	551	+ 16
1063	Port Darwin	12 28	130 51	29·6	..	1010·1	+0·9	305·3	309·6	Dec. 25	296·4	288·7	July 24	300·8	−0·3	*299·7*	1069	− 508
1064	Daly Waters	16 16	133 23	213	..	1010·0	..	306·8	314·7	Nov. 9, 14, Dec. 25	291·5	275·5	July 26	299·1	−0·8	*298·5*	621	− 71
1065	Mein	13 13	142 57	121·9	..	1009·3	..	304·2	310·8	Dec. 6	293·1	283·6	July 24	298·7	..	..	1795	+ 608
1066	Georgetown, Queensland	18 23	143 33	301·8	..	1011·0	..	304·6	313·0	Oct. 25	290·5	275·2	July 24	297·6	..	..	530	+ 276
1067	Samarai	10 37	150 40	6·4	..	..	..	..	..	..	..	..	..	..	..	..	2103	− 861
1068																		
1069																		
1070	La Kolle	17 40	168 20	? 30	..	..	..	302·7	308·6	March 13	291·9	284·9	Aug. 17	297·3	..	..	3012	..
1071																		
1072	Suva, Fiji	18 8	178 26	14·8	..	1011·9	−0·8	300·9	308·0	Jan. 3, 4, Mar. 8	294·9	287·4	July 10	297·9	−0·2	..	3104	+ 333
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

YEAR—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S. ′	° W. ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	..	..	..	..	299·3	305·8	Dec. 26	294·1	286·3	Sept. 6	296·7	..	..	1862	+ 79
1106																		
1115	Mataveri, Easter Island	27 10	109 26	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1116																		
1121	Punta Tortuga, Coquimbo	29 56	71 21	25	..	..	..	291·2	299·0	Jan., Feb. 11	284·4	280·0	July 19, Aug. 8	287·8	+0·2	*287·3*	45	− 96
1122	Puerto de Antofagasta	23 39	70 25	10	..	..	..	297·9	302·6	Jan. 29	286·0	283·0	June, July	292·0	+0·2	*290·8*	100	+ 97
1125	Goya	29 9	59 15	64	..	..	..	..	..	..	..	..	....	293·6	+0·6	*292·4*	1132	+160
1126	Porto Alegre	30 2	51 13	26	..	..	..	..	..	..	..	..	..	..	..	..	1530	+639
1127	Curityba	25 26	49 16	908	914·2	1017·4	+0·4	295·2	305·8	Jan. 11, Dec. 16	284·2	268 5	June 24	289·7	+0·3	*289·2*	..	..
1128	Rio de Janeiro	22 54	W43 10	64	1007·3	1014·8	−0·6	..	..	..	..	..	..	295·5	−0·7	..	1339	+248
1139	Windhuk	22 34	E17 5	1665·3	834·9	..	..	299·1	307·7	Dec. 27	285·8	271·1	June 27	292·4	0·0	292·4	227	−148
1140																		
1141	Johannesburg	26 11	28 4	1806	..	..	..	293·8	305·1	Dec. 22	282·9	269·1	June 27	288·3	0 0	*287·9*	656	− 90
1142	Kimberley	28 43	28 46	?1232	884·0	..	+0·4	298·6	..	..	283·3	..	..	291·0	+0·1	290·6	333	−156
1142*a*	Pretoria	25 45	28 11	1338	..	..	..	298·7	311·3	Dec. 26	282·6	268·2	June 30	290·6	−0·2	..	691	− 54
1143	Durban	29 51	31 0	79·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1144	Lorenzo Marques	25 58	32 36	59	..	1018·2	+1·1	300·2	315·5	Dec. 25	290·2	280·8	July 5	295·2	−0·6	294·6	641	− 35
1147	Mauritius	20 6	57 33	54·3	1009·3	1015·8	−0·2	299·8	306·5	Dec. 2, 5	292·3	285·7	June 11, 12	296·1	−0·3	295·7	1176	− 66
1148																		
1159	Onslow	21 43	114 57	4·3	..	1011·5	−0·3	304·9	318·9	Jan. 11	290·0	277·5	Aug. 13	297·5	+0·1	..	115	−111
1160	Peak Hill	25 38	118 47	588·3	..	1011·5	−1·0	302·8	315·9	Jan. 30	289·0	275·2	Aug. 10	295·9	+0·7	..	108	−158
1161	Nullagine	21 53	120 5	385·6	..	1011·6	0·0	306·2	317·1	Jan. 30	290·2	272·8	June 25	298·2	+0·7	..	174	−150
1162	Laverton	28 40	122 23	466·3	..	1015·2	−0·1	300·5	316·9	Jan. 26, 28, 29	286·2	273·3	June 21	293·3	+0·5	..	1389	−112
1163	Alice Springs	23 38	133 37	587·0	..	1012·7	−0·5	301·9	315·3	Nov. 10	286·3	268·6	June 24	294·1	+0·1	*294·1*	180	−102
1164	William Creek	28 55	136 21	76·2	..	1015·3	..	300·5	318·0	Nov. 10	286·2	272·4	June 26	293·3	..	*293·1*	145	+ 7
1165	Boulia	22 55	139 38	145·7	..	1011·4	..	304·6	317·2	Jan. 17	289·4	273·9	June 22	297·1	..	..	193	− 82
1166	Mitchell	26 32	147 52	337·1	..	1013·7	..	300·1	314·1	Nov., Dec.	283·4	265·8	June 23	291·8	..	..	748	+123
1167	Rockhampton	23 24	150 30	11·3	..	1014·3	..	302·2	314·5	Dec. 21	289·3	275·2	June 23	295·7	..	..	1074	+ 23
1168	Brisbane	27 28	153 2	41·7	..	1015·3	−0·4	299·1	313·3	Dec. 16	288·3	275·4	July 28	293·7	+0·3	..	894	−306
1169	Noumea	22 16	166 27	9	1010·8	1011·8	..	300·1	306·8	Jan., Dec.	292·7	285·8	Aug. 14, 15	296·4	+0·2	..	901	−196
1170	Norfolk Island	29 4	167 58	..	..	..	..	..	..	..	..	..	..	..	..	..	1230	−198
		S.	E.															

Between Latitude 30° S. and 40° S.

YEAR—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.															
1219																		
1220	Juan Fernandez	33 37	78 50	10	..	..	..	291·3	300·2	Jan. 1	..	..	..	288·7	−0·3	..	645	−387
1221	Punta Angeles, Valparaiso	33 1	71 38	40	1011·4	1016·2	+0·6	291·4	302·4	Jan. 3	283·7	276·5	July 31	287·6	−1·6	*286·5*	279	−221
1222	Santiago	33 27	70 42	520	955·4	1016·1	−0·2	295·2	308·3	Feb. 9	279·3	269·8	Aug. 5	287·3	0·0	286·2	170	−190
1223	Cordoba	31 25	64 12	439	964·8	1015·7	+0·4	..	..	..	..	..	..	290·7	−0·8	..	845	+147
1224	Buenos Ayres	34 16	64 11	25·2	1012·9	1015·9	+0·6	..	..	..	..	..	..	288·3	−1·5	..	1235	+302
1225																		
1226	Montevideo	34 52	W56 12	29·3	1012·6	1016·1	+0·6	292·6	311·2	Feb. 2	283·4	269·0	June 5	288·0	−1·4	288·2	1271	+488
1239	Cape Town	33 56	E18 29	9	..	1017·4	+0·4	295·1	310·4	Feb. 10	285·3	275·3	July 28	290·2	+0·5	*289·4*	697	+ 40
1240	Danger Point	34 37	19 18	20	..	..	..	..	..	..	..	..	..	..	..	..	457	..
1241	Heidelberg	34 5	20 58	1541	852·6	..	+1·4	296·6	308·6	Dec. 26	280·1	262·2	June	288·4	−0·2	..	589	+145
1242	East London	33 2	27 55	10·1	1016·0	1017·2	+0·3	295·2	307·4	Sept. 16	287·0	276·9	July 16	291·1	−0·2	..	657	+ 66
1259	Perth (Observatory)	31 57	115 51	60·0	..	1017·2	+0·6	295·4	311·4	Feb. 1	285·3	275·2	Aug. 9	290·3	−0·4	..	594	−258
1260	Katanning	33 42	117 35	309·7	..	1016·1	−0·2	295·4	313·3	Feb. 2	281·9	273·0	July 20	288·7	−0·3	..	409	− 39
1261	Coolgardie	30 57	121 10	423·3	..	1016·1	+0·2	298·3	316·6	Jan. 25	283·8	274·1	Sept. 1, 8	291·1	+0·1	..	156	− 82
1262	Eucla	31 45	128 58	4·6	..	1016·4	−0·1	296·2	315·1	Feb. 21	284·7	274·7	July 8	290·4	−0·1	..	191	− 67
1263	Streaky Bay	32 48	134 13	13·1	..	1017·1	+0·1	295·5	312·4	Jan. 24	284·9	276·0	July 23	290·2	+0·1	..	460	+ 73
1264	Adelaide	34 56	138 35	42·7	..	1017·0	0·0	295·4	312·3	Nov. 30	284·9	274·6	July 25	290·2	0·0	*289·9*	406	−118
1265	Melbourne	37 49	144 57	35·1	..	1016·1	−0·3	292·2	313·7	Nov. 30	283·3	271·6	July 26	287·8	+0·2	*287·5*	930	+285
1266	Bourke	30 13	145 58	110·1	..	1016·6	−0·4	299·8	316·3	Dec. 11	285·3	270·1	June 24	292·6	−1·1	..	372	− 11
1267	Sydney	33 51	151 13	44·5	..	1015·9	−0·2	294·4	311·3	Dec. 11	286·4	276·8	June 24	290·4	+0·2	..	1276	+ 58
1268	Lord Howe Island	31 32	159 4	..	..	..	..	..	..	..	..	..	..	..	..	..	1674	−109
1271	Auckland	36 50	174 50	38·1	..	..	..	291·4	299·7	Jan. 22	284·4	276·1	July 8	287·9	−0·2	..	1144	+ 64
1272																		
		S.	E.															

Between Latitude 40° S. and 50° S.

YEAR—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure: Mean at Level of Station.	Pressure: Mean at M.S.L.	Pressure: Diff. from Normal.	Temperature: Mean Max.	Temperature: Absolute Max.	Temperature: Date.	Temperature: Mean Min.	Temperature: Absolute Min.	Temperature: Date.	Temperature: *Mean.	Temperature: Diff. from Normal.	Temperature: †24 hr. Mean.	Precipitation: Total.	Precipitation: Diff. from Normal.
		° S.	° W.															
1301	Chatham Island	43 52	176 42	58	..	..	..	287·3	294·1	Jan. 22	281·1	271·9	June 29	284·2	+0·3	..	1073	+326
1302																		
1321	Punta Corona (Puerto de Ancud)	41 51	73 50	25	..	..	..	..	..	..	280·9	275·8	Aug. 15	..	..	..	1380	−685
1322	Punta Galera	40 1	73 44	40	1012·2	1017·0	+1·0	287·2	293·2	Jan. 17	281·5	276·0	July 24	284·4	+0·1	*283·8*	1729	−561
1323	Bahia Blanca	38 45	W62 12	20	1012·1	1014·5	+2·5	..	..	..	..	..	..	289·0	−0·6	..	566	+ 44
1324																		
1365	Hobart	42 53	E147 22	48·8	..	1012·9	+0·7	289·6	305·1	Jan. 5	281·4	273·6	June 22	285·5	+0·1	*284·7*	680	+ 83
1366	Launceston	41 27	147 10	9·4	..	1013·5	..	291·0	303·6	Feb. 1	280·6	270·2	July 9	285·8	+0·2	..	775	+ 62
1369																		
1370	Dunedin	45 52	170 31	90	..	1011·8	+0·3	287·5	300·8	March 22, 23	279·1	271·3	June 26, 27	283·3	0·0	..	1016	+ 47
1371	Christchurch	43 32	172 38	7·6	..	1012·6	−0·6	289·3	302·9	March 21	279·2	268·9	July 17	284·2	−0·3	..	760	+123
1372	Wellington	41 16	174 46	33·5	..	1013·7	+0·2	289·1	297·4	Jan. 24	283·1	274·9	June 16	286·1	0·0	..	1038	−232
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* Mean of max. and min. or of observations at fixed hours.

† Computed means for the 24 hours are in *italics*.

YEAR—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure. Mean at Level of Station.	Pressure. Mean at M.S.L.	Pressure. Diff. from Normal.	Temperature. Mean Max.	Absolute Max.	Date.	Mean Min.	Absolute Min.	Date.	*Mean.	Diff. from Normal.	†24 hr. Mean.	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	998·6	1005·3	+7·6	287·0	291·2	June 14	276·5	273·0	sev.	281·8	+2·2	*281·6*	3029	— 2
1422	Puerto de Punta Arenas	53 10	70 54	4	1003·0	1003·5	+5·3	283·0	293·6	Feb. 18	277·2	269·8	Aug. 29	280·1	+0·5	279·8	504	+110
1423	Punta Dungeness	52 24	68 25	5	..	..	..	283·3	296·4	Oct. 7	..	..	..	280·6	+0·9	*280·3*	221	— 18
1424																		
1425	Cape Pembroke	51 41	57 42	21	..	1003·1	+0·9	281·4	292·4	Jan. 6	276·3	269·7	July 30	278·8	−0·2	278·9	..	..
1426																		
1429	South Georgia (Grytviken)	54 14 S.	36 33 W.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1430																		

YEAR—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	6·9	994·8	995·7	+3·5	271·8	281·5	March	266·3	245·0	Sept.	269·0	+0·6	269·2	395	— 52
1528																		

YEAR—ZONE 16. Between Latitude 70° S. and 80° S.

1605	Framheim	78 38 S.	163 37 E.	11·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1669																		
1670	CapeEvans(McMurdo Sound)	77 38	166 24	18	..	990·8	−0·1	..	274·5	Dec.	..	229·3	June	..	+0·3	256·0	..	..
1671	Cape Adare	71 18 ° ′	170 9 ° ′	.. metres.	.. mb.	.. mb.	.. mb.	.. a.	.. a.	..	.. a.	.. a.	..	.. a.	.. a.	.. a.	.. mm.	.. mm.

* Mean of max. and min. or of observations at fixed hours. † Computed means for the 24 hours are in *italics*.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—YEAR 1911.

* " The *White Sea* was so filled with ice, including much screw ice, during April and May that the navigation to Archangel was not opened till the last days of May. It closed again on 1st November."

* " Around *Novaja Zemlja* the sea did not become ice-free until comparatively late, and although as a rule the sea opens up to Cape Mauritius in the course of the year, such was not the case this year."

* " In the *Barents Sea* the ice was more closely packed than usual. Generally the thickness was between 1 and 2 m., and only between 25° and 40° E. was it thicker. During the early months the retreat of the ice-boundary was very slow, but in August the retreat became so rapid that the sea was open as far as King Charles Land, and in the same month there was open water quite near King Joseph Land. From May to July there was an unusual number of icebergs in the ice and ice-edge."

**Spitsbergen.*—" No information is available for the early part of the summer; in August the edge lay rather northerly, but in September it still prevented navigation past King Charles Land, so that N.E. Spitsbergen could not be circumnavigated. Throughout the summer there was much drift in the Storfjord, which did not become ice-free till September. Off the W. coast there was much ice, and in July especially the belt off Ice-Fjord became very broad, lying close to the land. On the N. there was some firm ice late in the summer, but some sealers reached Wijde Bay."

**East Coast of Greenland.*—" There was very much ice during the summer. In April and May the ice-boundary stretched from the E. coast of Iceland to E. of Jan Mayen. In June large bights formed in the ice, but north of Jan Mayen a tongue of ice still extended to about 1° W.; in July the outmost and more scattered ice was decomposed. Just N. of Iceland the ice-belt was broadest, decreasing considerably N. Owing to continuous N.E. winds in August it was packed so closely against the coast that there was no open water between the floes, and not even land water. Round the Shannon Is. and N. of that, the ice was impenetrable."

* " At *Angmagsalik* the sea was open unusually early, and from the middle of June the navigation was free."

**Iceland.*—" The coasts of Iceland were visited by the Greenland ice for unusually long periods, commencing with short visits in January and increasing in March, when the ice-edge already lay not far off, and some masses of ice reached as far as off Dalasangi on the E. coast. During April and May, the months in which ice is most common in Iceland, the N. coast and the E. coast were partly blocked, the ice extending southward to Papey, and isolated pieces of ice were met even as far S. as Ingolfshofde. In the course of June the ice left the land, but in July the firm edge still lay not far N."

Newfoundland Banks.—" Floes were observed from January to July; icebergs commenced to appear in March, and culminated in July, when 475 were reported."

" *Belle Isle Strait* became open along the coasts by the middle of May, but it was not until the beginning of July that the Strait itself became ice-free. Icebergs were observed until the middle of November."

**Davis Strait.*—" The first ' Storis ' arrived at Cape Farewell in December 1910, which is comparatively early, while the main mass arrived about the middle of February. The ' Storis ' thus set in early, but not in great masses. Throughout the summer the ice-belt was narrow, and in April it only extended to Frederikshaab; as early as May the ice decreased, and in July the sea was practically ice-free. In the winter 1911–12 the first ice arrived at Davis Strait in the middle of December, which is rather early. Further N., the year was remarkable for the appearance of the west ice, which as early as December 1910 came close to Greenland, where it remained throughout the winter from Egedesminde N. In June it was still near the coast, and even in July an ice-edge was observed now and again. Probably these conditions were caused by the presence of considerable masses of ice in the western part of the Davis Strait."

**Baffin Bay.*—" The ice was very difficult to penetrate throughout the summer, especially in Melville Bay and at Cape York, and the ice remained very late owing to the non-appearance in spring of the N. winds which generally set it adrift."

* " *Hudson Strait and Hudson Bay* were open to navigation from July to September. In the Strait the ice was about normal, while the conditions in the Bay were very favourable, it being ice-free as early as July; in August even James Bay was free."

**Beaufort Sea and Behring Strait.*—" The reports of ice were so few that it is difficult to form an opinion about the conditions of the ice during the summer; in May and June, however, the conditions seem to have been normal."

SOUTHERN HEMISPHERE.

The number of icebergs reported in each month, compared with the average for the period 1885 to 1913, was as follows :—

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1911	1	2	0	4	7	3	6	3	3	7	17	4	57
Average	5	5	5	4	3	4	4	5	5	5	6	6	57

* *Isforholdene i de arktiske Have, 1911 and 1912*, issued by the Danish Meteorological Institute.

RÉSEAU MONDIAL, 1911.

TABLE SHOWING THE AUTHORITIES FOR THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1911 AND THE AUTHORITIES FOR THE NORMALS, TOGETHER WITH THE HOURS OF OBSERVATION, FORMULÆ FOR MEANS, ETC.

Between Latitude 80° N. and 70° N. ZONE 1.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
123	North Star Bay	Copenhagen, Dansk Meteor. Aarbog, 1911.	..	$P=\frac{1}{3}(8+14+21)$. $T=\frac{1}{4}(8+14+2\times21)$.
124				
125	Upernivik	Do. do.	M.S. normals prepared in M.O.	$P=\frac{1}{3}(8+14+21)$.
126				
139	Spitsbergen	Kristiania, Jahrb. d. Norweg. Meteor. Instituts, 1912.	**P,** M.S. normals prepared in M.O.	**P**=mean of 24 hrs. Station commenced observing December 1911.
140				
141	Gjesvaer	Kristiania, Jahrb. d. Norweg. Meteor. Instituts, 1911.	**P, T,** Klimatabeller for Norge; II, Lufttryck, 1896; I, Luftenstemperatur, 1895. **R,** Nedböriagtagelser i Norge, 1912.	$P=\frac{1}{3}(I+II+III)+$ corr. to reduce to mean of 24 hrs. Mean temp. $M=n-k(n-\text{min.})$ where n is the mean of the three fixed daily observations, and k is a factor varying with the station and month.
142	Mehavn	Do. do.		
143	Vardö	Do. do.		
144				

Between Latitude 70° N. and 60° N. ZONE 2.

209	Dawson	Toronto, Meteor. Service, Monthly Weather Review.	**P,** M.S. normals prepared in M.O. **T, R,** Diffs. in Monthly Weather Review.	**P**=8 h. Two heights are given for Dawson, 321 metres and 335 metres. The former has been adopted. If the latter be adopted there will be a correction of about +1·7 mb.
210	Carcross		..	
211				
212	Fort Simpson	M.S. data supplied by Canadian Meteor. Service.	**T, R,** Canada's Fertile Northland, 1908.	
213	Hay River	Do. do.	**T,** Canada's Fertile Northland, 1908.	
214				
225	Jacobshavn	Copenhagen, Dansk Meteor. Aarbog, 1911.	M.S. normals prepared in M.O.	$P=\frac{1}{3}(8+14+21)$.
226	Godthaab	Do. do.	Do. do.	Do.
229	Angmagsalik	Do. do.	**P,** M.S. normals prepared in M.O.	Do.
230				
231	Stykkisholm	Do. do.		
232	Vestmanno	Do. do.		
233	Grimsey (Akureyri)	Do. do.	Éléments météor. des îles Féroé, etc., 1899.	Do.
234	Berufjord	Do. do.		
235	Thorshavn	Do. do.		
236				
237	Bergen (Met. Obs.)	Kristiania, Jahrb. d. Norweg. Meteor. Instituts, 1911.	**P, T,** Klimatabeller for Norge; II, Lufttryck, 1896; I, Luftenstemperatur, 1895. **R,** Nedböriagtagelser i Norge, 1912.	See Gjesvaer, No. 141.
238	Christiansund			
239	Trondhjem			
240	Bodö			
241	Haparanda	Stockholm, Meteor. Iakttagelser i Sverige, 1911.	**P,** Hamberg, Press. moy. en Suède, 1860–95; **T,** Meteor. Zs., 1904, p. 522; **R,** Nederborden i Sverige, 1860–1910.	$P=\frac{1}{3}(8+14+21)$.
242	Helsingfors	Petrograd, Nicholas Central Physical Obs., Monthly Bulletin, 1911.	**P,** Atlas Climat. de Russie; **T, R,** Monthly Meteor. Bulletin.	$P=7$ h.; $T=\frac{1}{3}(7+13+21)$.
242a	Kuopio	Do. do.	**T, R,** Monthly Meteor. Bulletin.	Do.
243	Kola	M.S. data supplied by Nicholas Central Physical Observatory.	Atlas Climat. de Russie.	**P, T**=$\frac{1}{3}(7+13+21)$.
244	Petrozavodsk	Do. do.	Do. do.	Do.
245	Arkhangelsk	See No. 242.	See No. 242.	See No. 242.
246	Velsk	See No. 243.	..	**P, T**=$\frac{1}{3}(7+13+21)$.
247	Oust-Tsylma	See No. 242.	See No. 242.	See No. 242.
248	Troitsko-Petcherskoe	See No. 243.	..	**P, T**=$\frac{1}{3}(7+13+21)$
249	Berezov	Do.	See No. 243.	Do.
250	Obdorsk	Do.	**P,** see No. 243.	Do.
251	Sourgout	Do.	M.S. normals prepared in M.O.	..
252				
253	Touroukhansk	Do.	See No. 243.	**P, T**=$\frac{1}{3}(7+13+21)$.
254	Doudinka	Do.	..	..
261	Oleminsk	Do.	..	..
262	Iakoutsk	Do.	See No. 243.	**P, T**=$\frac{1}{3}(7+13+21)$.
263	Verkhoïansk	Do.	Do.	Do.
264	Oust-Maïskoe	Do.	..	..
271	Markovo sur Anadyr	Do.	..	**P, T**=$\frac{1}{3}(7+13+21)$.
272	Novo-Mariinskii Post	Do.	..	Do.

ZONE 3. Table showing the Authorities for the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
309				
310	Prince Rupert	Toronto, Ann. Rep. Meteor. Service, 1911.	..	P=⅛ (5+17).
311	Barkerville	Toronto, Meteor. Service, Monthly Weather Review.	R, T, Differences in Monthly Weather Review.	P=8 h.
312	Kamloops	Do. do.	P, Ann. Rep. Meteor. Service, 1906. T, R, see No. 311.	P=⅛ (5+17).
313	Calgary	Do. do.	Do. do.	P=⅛ (5½+17½).
314	Fort Chipewyan	M.S. data supplied by Canadian Meteor. Service.	Canada's Fertile Northland, 1908.	P=⅛ (8½+17½).
315	Prince Albert	Toronto, Ann. Rep. Meteor. Service, 1911, and Monthly Weather Review.	See No. 312.	P=½ (6+18).
316	Qu'Appelle			
317	Minnedosa	See No. 310.	Toronto, Meteor Service, Monthly Weather Review.	P=⅛ (7+19).
318	Berens River	Do.	..	..
318a	Fort Churchill	M.S. data supplied by Canadian Meteor. Service.	M.S. normals prepared in M.O.	..
319	Fort Hope	Do. do.	..	P=⅛ (8+19).
320	Moose Factory	Do. do.	..	P=½ (9+19).
321				
322				
323	Hebron	Hamburg, Deutsche Übersee. Meteor. Beob., 21.	M.S. normals prepared in M.O. No precipitation normals.	P=⅛ (7+14+21).
324	Nain	Do. do.	Do. do.	Do.
325				
326	Point Riche	Toronto, Ann. Rep. Meteor. Service, 1911, and Monthly Weather Review.	T, R, Differences in Monthly Weather Review.	T=⅛ (7+14+21). No registering thermometers.
327				
328				
329				
334	Valencia	London, Monthly Weath. Rep. of Meteor. Off., 1911.	See current data.	P=½ (9+21).
335	Aberdeen	Do. do.	Do.	Do.
336	Greenwich	Do. do.	Do.	P.=½ (9+21). Diff.=24 hrs. mean normal 24 hrs. mean.
337	Uccle	Brussels, Annuaire de l'Obs. de Belgique, 1912, 1913.	P, from Pressure Values publ. by Solar Physics Ctee. T, R, Annuaire, 1912.	P=mean of 24 hrs.
338	De Bilt	Utrecht, Nederlandsch Meteor. Jaarboek, 1911.	P, see No. 337. T, R, Maand. Overzicht der Weergestildheid.	Do.
338a	Hamburg	Hamburg, Meteor. Beob. in Deutschland, 1911.	Ergebn. der meteor. Beob. für 1896–1900 u. 1876–1900, Hamburg, 1904.	P=⅛ (8+14+20).
339	Copenhagen	Copenhagen, Dansk Meteor. Aarbog, 1911.	Willaume-Jantzen, Meteor. Obs. i. Kjøbenhavn, 1896.	P=⅛ (8+14+21).
340	Potsdam	Potsdam, Ergebn. der meteor. Beob., 1911.	P, from Hann.* T, R, M.S. normals prepared in M.O.	P=mean of 24 hrs.
340a	Upsala	Stockholm, Meteor. Iakttagelser i Sverige.	P, Hamberg, Press. moy. en Suède, 1860–95. T, Meteor. Zs., 1904, p. 522. R, Nederbörden i Sverige, 1860–1910.	P=⅛ (8+14+21).
341	Warsaw	Warsaw, Obs. météor. en 1911 du Bureau météor.	P, R, Atlas Climat. de Russie. T, Wild, Temp. Verh. des Russ. Reiches.	P=⅛ (7+13+21).
342	Jurjev	Jurjev, Meteor. Beob. in 1911.	Do. do.	P=⅛ (1+4+7+10+13+16+19+22). Barometer exposure bad.
343	Petrograd	Petrograd, Nicholas Centr. Phys. Obs., Monthly Meteor. Bulletin.	P, Atlas Climat. de Russie. T, R, Monthly Meteor. Bulletin.	P=7 h. T=⅛ (7+13+21).
344	Kiev	Do. do.	Do. do.	..
344a	Moscow	Moscow, Beob. in Meteor. Obs. der k. Univ., 1911.	See No. 341.	P=mean of 24 hrs.
345	Saratov	See No. 343.	P, Buchan, "Challenger" Rep. on Atmospheric Circulation. T, R, see No. 343.	P=7 h. T=⅛ (7+13+21).
346	Kazan	Kazan, Bulletin de l'Obs. météor., 1911.	P, Atlas Climat. de Russie. T, Bull. de l'Obs. R, see No. 343.	P, T=⅛ (7+13+22).
347	Orenburg	See No. 343.	See No. 343.	P=7 h. T=⅛ (7+13+21).
348	Perm	Do.	Do.	Do.
349	Ekaterinburg	Do.	Do.	Do.
350	Tobolsk	M.S. data supplied by Nicholas Central Physical Observatory.	Atlas Climat. de Russie.	P, T=⅛ (7+13+21).
351	Akmolinsk	Do. do.	Do. do.	Do.
352	Omsk	Do. do.	Do. do. and M.S. normals prepared in M.O.	Do.
353	Barnaoul	Do. do.	Atlas Climat. de Russie.	Do.
354	Tomsk	Do. do.	Do. do.	Do.
355	Minousinsk	Do. do.	Do. do.	Do.
356	Eniseisk	Do. do.	Do. do.	Do.
357	Irkoutsk	Do. do.	Do. do.	Do.
358	Kirensk	Do. do.	..	Do.
359	Tchita	Do. do.	..	Do.
360	Blagoveshchensk Priisk	Do. do.	R, M.S. normals prepared in M.O.	Do.
360a	Nertchinsk	Do. do.	..	Do.
361	Tygan Ourkan	Blagoveshchensk, Year-book of Meteor. Bureau of Amur District, 1909–12.	..	Do.
362	Blagoveshchensk	See No. 350.	..	Do.
363	Païkanskii Sklad	See No. 361.	..	Do.
364				
365	Nikolaevsk-sur-Amour	See No. 350.	Atlas Climat. de Russie.	Do.
366	Okhotsk	Do.	..	Do.
367				
368	Petropavlovsk Phare	Do.	Atlas Climat. de Russie.	Do.
372				

* Hann, Die Vertheilung des Luftdruckes über Mittel- und Süd-Europa (means 1851–80), Wien. 1887.

Table showing the Authorities for the Meteorology of the Globe between Latitude 50° N. and 40° N. ZONE 4.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
411	Victoria, B.C.	Toronto, Meteor. Service, Monthly Weather Review.	P, Toronto, Ann. Rep. Meteor. Service, 1906. T, R, Differences in Monthly Weather Review.	P=8 h.
412	Portland, Oregon	Washington, U.S. Dept. Agric., Report of Chief of Weather Bureau, 1911–12.	U.S. Dept. Agric., Monthly Weath. Rev.	P is reduced to mean of 24 hrs.
413	Macleod	See No. 411.	Toronto Meteor. Service, Monthly Weather [Review.	..
414	Helena	Washington, U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1911–12, and Monthly Weath. Rev., 1911.	See No. 412.	P is reduced to mean of 24 hrs.
414a	Salt Lake City			
415	Cheyenne	Do. do.	Do.	Do. do.
416	North Platte	Do. do.	Do.	Do. do.
416a	Bismarck	Do. do.	Do.	Do. do.
417	Winnipeg	See No. 411.	See No. 411.	See No. 411.
418	Duluth	See No. 414.	See No. 414.	See No. 414.
419	Port Arthur	See No. 411.	See No. 411.	See No. 411.
420	Chicago	See No. 414.	See No. 414.	See No. 414.
421	Toronto	See No. 411.	See No. 411.	See No. 411.
422	New York	See No. 414.	See No. 414.	See No. 414.
423	St John, N.B.	See No. 411.	See No. 411.	See No. 411.
424	S. W. Point, Anticosti	Toronto, Ann. Rep. Meteor. Service, 1911.	Do.	P=⅛ (8+20).
425	Sable Island (Main Station)	Do. do.	R, Toronto, Meteor. Service, Monthly Weather Review.	P=½ (9+21).
426	St Johns, Newfoundland	See No. 411.	See No. 411.	See No. 411.
435	Madrid	Madrid, Annuario del Observatorio, 1913.	P, Études sur le Climat de France, Pression. T, R, Treinte anos de Obs. Meteor. de Madrid.	P=⅛ (3+6+9+12+15+18+21+24).
436	Nantes	Paris, Ann. Bur. centr. météor, 1911.	P, T, Études sur le Climat de France. R, Eiffel, Atlas Météor de France.	Do. do.
437	Paris (Parc St. Maur)	Do. do.	Do. do.	P=mean of 24 hrs.
438	Marseilles	Do. do.	Do. do.	P=⅛ (7+10+12+16+18+22).
438a	Zürich	Zürich, Ann. Schweiz. Meteor. Centralanst., 58, 1911.	J. Maurer, etc., Das Klima der Schweiz., 1864–1900.	P=⅛ (7½+13½+21½). T=¼ (7½+13½+2×21½).
439	Rome	Cairo, Summary of Weather in Egypt, etc., 1911.	F. Eredia, Il Clima di Roma, 1911.	P=8 h.
440	Vienna	Vienna, Jahrb. der k. k. Centralanst. für Meteor., 1911.	Hann, Die Meteorologie von Wien.	P=⅛ (7+14+21). T, diff.=1/13 (7+13+21) —normal}.
440a	Buda-Pesth	Budapest, A. m. kir. orszagos meteor. intézet, 1911.	P, Zsigmond, Luftdruckverhältnisse Ungarns, 1861–1900. T, Rona und Fraunhoffer, Tempverhältnisse von Ungarn. R, A von Anderko, Vertheilung des Niederschlages in Ungarn.	See No. 440.
441	Bucharest	M.S. data supplied by Bucharest, Inst. météor.	Bucharest, Atlas Climat. de Roumanie.	Hours of observation unknown.
442				
443	Odessa (University)	Odessa, Annuaire de l'Obs. de l'Univ. Imp., 1911.	P, R, Atlas Climat. de Russie. T, Monthly Meteor. Bulletin.	P=⅛ (7+13+21).
444	Kharkov (University)	Petrograd, Nicholas Centr. Phys. Obs., Monthly Meteor. Bulletin.	Do. do.	P=7 h. T=⅛ (7+13+21).
444a	Novorossiisk	Do. do.	Do. do.	Do do.
445	Tiflis	Do. do.	Do. do.	Do. do.
446	Astrakhan	Do. do.	Do. do.	Do. do.
447	Fort Alexandrovsk	M.S. data supplied by Nicholas Centr. Phys. Obs.	Do. do.	P, T,=⅛ (7+13+21).
448	Krasnovodsk	See No. 444.	Do. do.	See No. 443.
449	Tachkent	See No. 447.	Do. do.	P, T=⅛ (7+13+21).
450	Irgiz	Do.	Do. do.	Do.
451	Narynskoe	Do.	T, R, M.S. normals prepared in M.O.	Do.
452	Vernyi	Do.	See No. 443.	Do.
461	Mukden	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1911.	Tokio, Results of Meteor. Obs. in Japan, 1906–10.	P=⅛ (3+7+11+15+19+23).
462	Joshin	Do. do.	Do. do.	P=⅛ (2+6+10+14+18+22).
463	Vladivostok	See No. 447.	Atlas Climat. de Russie.	P, T=⅛ (7+13+21).
464			..	..
465	Ochiai	See No. 461.	Tokio, Results of Meteor. Obs. in Japan, 1876–1905.	P=⅛ (2+6+10+14+18+22).
466	Nemuro	Do.		P=mean of 24 hrs.

Between Latitude 40° N. and 30° N. ZONE 5 (Western Half).

511	San Francisco	Washington, U.S., Dept. Agric., Rep. of Chief of Weather Bureau, 1911–12; and Monthly Weath. Rev.	Washington, U.S. Dept. Agric., Monthly Weath. Rev.	P, corrected to mean of 24 hrs.
512	San Luis Obispo			
513	Modena			
514	San Diego			
515	Sante Fé			
516	Denver			
517	Abilene			
518	Saint Louis			
519	Mobile			
520	Nashville			
521	Charleston			
522	Washington			
524	Bermuda	Toronto, Meteor. Service, Monthly Weather Review.	P, M.S. normals prepared in M.O. T, R, see current data.	P=8 h.
531	Horta	Cairo, Summary of Weather in Egypt, etc.	M.S. normals prepared in M.O.	P=6 h.
532	Ponta Delgada	Do. do.	P, R, see current data. T, M.S. normals prepared in M.O.	P=8 h.
533	Madeira (Funchal)	Lisbon, Resumo das Observaçoes, 1911	..	P=⅛ (9+15+21).
534	Lisbon	Do. do.	P, T, R, J. d'Almeida Lima, Le Climat de Lisbonne.	Do.
535	Casablanca	Hamburg, Deutsche Übersee. Meteor. Beob., 21.	T, R, Hann, Handbuch der Klimatologie.	P=⅛ (8+14+20½).
536	Gibraltar	M.S. data at M.O.	M.S. normals prepared in M.O.	P=⅛ (7+13+21).

ZONE 5 (Eastern Half). Table showing the Authorities for the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
537	Algiers	Paris, Ann. Bur. centr. météor., 1911.	M.S. normals prepared in M O.	P=2½ (7+13+19).
538	Palma	See No. 531.	P, Cairo, Summary of Weather in Egypt, 1912. T, R, Hann, Handbuch der Klimatologie.	P=8 h.
538a	Tunis	See No. 537.	M.S. normals prepared in M.O.	P=2½ (7+13+19).
539	Malta	See No. 531.	Cairo, Summary of Weather in Egypt, etc.	P=8 h.
540	Catania	M.S. data supplied by Dr. A. Ricco.	M.S. normals supplied by Dr. A. Ricco.	P=½ (9+15+21).
541	Athens	See No. 531.	See No. 539.	P=8 h.
542	Alexandria	Do.	Do.	Do.
543	Cairo (Helwan)	Do.	Do.	Do.
544	Nicosia	Do.	M.S. normals prepared in M.O.	P=9 h.
544a	Beirut	Do.	See No. 539.	P=8½ h.
545	Baghdad	Calcutta, India Weather Review, 1911.	See current data.	P=8 h.
546	Lenkoran	M.S. data supplied by Nicholas Central Phys. Obs.	Atlas Climat. de Russie.	P, T=⅛ (7+13+21).
547	Busrah	See No. 545.	See No. 545.	P=8 h.
548	Meshed	Do.	Do.	Do.
549	Quetta	Do.	Do.	Do.
550				
551	Lahore	Do.	Do.	Do.
551a	Simla	Do.	Do.	Do.
552	Leh	Do.	Do.	Do.
552a	Dehra Dun	Do.	Do.	Do.
559	Hang Kow	Tokio, Ann. Rep. Centr. Meteor. Obs., Japan, 1911.	Tokio, Results of Meteor. Obs. in Japan, 1906–10.	P=⅛ (6+14+22).
560	Tiensin	Do. do.	Do. do.	Do.
561	Shanghai (Zi-Ka-Wei)	M.S. data supplied by M. Dechevrens.	P, R, Bull. de l'Obs., Zi-Ka-Wei, 1909. T, Zi-Ka-Wei Obs. de Temp. 1873–1903.	P=mean of 24 hrs.
562	Chemulpo	Chemulpo, Ann. Rep. Centr. Meteor. Obs., Korea, 1911.	P, T, Meteor. Zs., 1910, p. 502. R, see current data.	P=½ (2+6+10+14+18+22).
562a	Nagasaki	See No. 559.	Tokio, Results of Meteor. Obs. in Japan, 1876–1905.	P=mean of 24 hrs.
563	Kioto	Do.	Do. do.	Do.
564	Tokio	Do.	Do. do.	Do.
565	Miyako	Do.	Do. do.	P=⅛ (2+6+10+14+18+22).
566				

ZONE 6. Between Latitude 30° N. and 20° N.

605	Honolulu	Washington, U.S. Dept. Agric., Report of Chief of Weather Bureau, 1911–12.	M.S. normals prepared in M.O.	P, reduced to mean of 24 hrs.
606				
615	Zacatecas	Zacatecas, Boletin mensual del Obs., 1911.	..	P=prob. ½ (6+18) local time.
616	Leon	Leon, Boletin mensual del Obs. Meteor.	Mexico, Boletin mens. del Obs. Meteor. Magn.	P=⅛ (7+14+21).
617	Galveston	Washington, U.S. Dept. Agric., Monthly Weath. Rev.	See current data.	P, reduced to mean of 24 hrs.
618	New Orleans	Do. do.	Do.	Do. do.
619	Havana	Havana, Obs. Meteor. del Colegio de Belen, 1911.	M.S. normals prepared in M.O.	P, T=mean of bi-hourly values.
620	Key West	See No. 617.	See No. 617.	P, reduced to mean of 24 hrs.
621	Nassau, Bahamas	M.S. data at M.O.	M.S. normals prepared in M.O.	P=½ (8+15).
622				
633	Puerto de Orotava	Hamburg, Deutsche Übersee. Meteor. Beob., 21	Hann, Handbuch der Klimatologie.	..
634	Las Palmas, Canary Islands	Paris, Ann. Bur. centr. météor., 1911.	M.S. normals prepared in M.O.	P=½ (9+16).
637	Insalah	Do. do.	Do. do.	P=⅛ (7+13+19).
638				
641	Dakhla Oasis	Cairo, Summary of Weather in Egypt, etc., 1911.	See current data.	P=8 h.
642	Wadi Halfa	Do. do.	Do.	Do.
643	Suez	Do. do.	Do.	Do.
644	Aswan	Do. do.	Do.	Do.
647	Bushire	Calcutta, India Weather Review, 1911.	Calcutta, India Weather Review, 1912.	Do.
648	Jask	Do. do.	..	Do.
649	Kurrachee	Do. do.	See current data.	Do.
650	Hyderabad, Sind	Do. do.	Do.	Do.
651	Jaipur	Do. do.	Do.	Do.
652	Nagpur	Do. do.	Do.	Do.
653	Allahabad	Do. do.	Do.	Do.
654	Calcutta	Do. do.	Do.	Do.
655	Gauhati	Do. do.	Do.	Do.
655a	Cherrapunji	Do. do.	Do.	Do.
656	Shillong	Do. do.	Do.	Do.
656a	Akyab	Do. do.	Do.	Do.
657	Phu Lien	Paris, Ann. Bur. centr. météor., 1911.	M.S. normals prepared in M.O.	P=½ (10+16).
658	Moncay	Do. do.	Do. do.	Do.
659				
660	Hong Kong	Hong Kong Observatory, Meteor. Obs., 1911.	See current data.	P=mean of 24 hrs. T, diff.=mean of 24 hrs.—normal.
661	Taihoku, Formosa	Tokio, Ann. Rep. Centr. Obs., Japan, 1911.	Tokio, Results of Meteor. Obs. in Japan, 1876–1905, 1906–10.	P=mean of 24 hrs.
662	Naha	Do. do.	Do. do. 1876–1905.	Do.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° N. and 10° N. ZONE 7.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
715	Zapotlanejo	M.S. data supplied by Obs. Meteor. Magn.,	..	..
716	Morelia	Do. do. [Mexico.	..	P=¼ (7+13+21).
717	Salina Cruz	Mexico, Boletin mens. del Obs. Meteor.	..	P, T, prob. means of 24 hrs.
718	Mexico	Do. do. [Magn.	P, R, see current data. T, Hann (p. 185).*	P, T=means of 24 hrs.
718a	Oaxaca	Oaxaca, Obs. Meteor., Boletin Mems., and see No. 715.	..	P=⅛ (7+13+21).
719	Belize	M.S. data supplied by Dr. Harrison, Belize.	Meteor. Zs., 13, 1896, p. 104.	P=10 h.
720	San Salvador	San Salvador, Obs. Nacional, Obs. Meteor.,	Meteor. Zs., 22, 1905.	P=¼ (7+14+21).
721	Jamaica (Negril Point)	Jamaica Weather Reports, 1911. [1911.	P, T, Jamaica Weather Rep., No. 357. R, Maxwell Hall, Rainfall in Jamaica.	P=½ (7+15).
722	Port au Prince	Paris, Ann. Bur. centr. météor., 1911.	M.S. normals prepared in M.O.	P=⅛ (7+13+21).
723	St Croix (Christiansted)	Copenhagen, Dansk Meteor. Aarbog, 1911.	..	P=⅛ (8+14+21).
724	Grenada (Richmond Hill)	Grenada, Government Gazette, 1911.	M.S. normals prepared in M.O.	P=⅛ (9+15).
725	Barbados	Barbados, Blue Book, 1911.	Do. do.	Do.
731	St Vincent, C. Verde Is.	Lisbon, Resumo das Observaçoes, 1911.	Do. do.	P=⅛ (9+15+21).
732	San Tiago, C. Verde Is.	Do. do.	T. Meteor. Zs., 26, 1909, p. 232. R, Hann, Handbuch der Klimatologie.	Do.
733	Bathurst	Gambia, Government Gazette, 1911.	M.S. normals prepared in M.O.	P=⅛ (7+14+21).
734	M'Carthy Island	Do. do.	Do. do.	..
735	Ségou	Paris, Ann. Bur. centr. météor., 1911.	..	P=⅛ (7+14+21).
736	Timbouctoo	Do. do.	M.S. normals prepared in M.O.	Do.
737	Sokoto	M.S. data at M.O.	Do. do.	..
738	Kontagora	Do.	Do. do.	..
739	Maiduguri	Do.	Do. do.	..
740	Katagum	Do.	Do. do.	..
742				
743	El Obeid	Cairo, Ann. Rep. Meteor. Service and Summary of Weather in Egypt, etc., 1911.	Cairo, Summary of Weather in Egypt, etc.	P=8 h.
744	Khartoum		See current data.	Do.
746	Aden	Calcutta, India Weather Review, 1912.	Do.	Do.
751	Bombay	Do. do.	Do.	Do.
752	Mysore	Do. do.	Do.	Do.
752a	Kodaikanal	Do. do.		
753	Madras	Do. do.	Do.	Do.
754	Waltair	Do. do.	Do.	Do.
755	Port Blair	Do. do.	Do.	Do.
756	Rangoon	Do. do.	Do.	Do.
757	Saigon	Paris, Ann. Bur. centr. météor., 1911.	M.S. normals prepared in M.O.	P=½ (10+16).
758	Nhatrang	Do. do.	Do. do.	Do.
759	Bolinao	Manila, Bull. Philippine Weather Bureau, 1911.	R, M. S. Masó, Annual Amount and Distribution of Rainfall in the Philippines, 1914.	P=⅛ (2+6+10+14+18+22).
760	Vigan	Do. do.	See current data.	Do.
761	Manila	Do. do.	See No. 759.	Do.
762	Ormoc	Do. do.	..	Do.
765	Guam, Ladrone Is.	See No. 759.		

Between Latitude 10° N. and 0°. ZONE 8.

805	Fanning Island	M.S. data at M.O.	M.S. normals prepared in M.O.	P=½ (9+21), unreliable.
819	Culebra	Culebra, Isthmian Canal Commission, Monthly Meteor. Report.	P, T, M.S. normals prepared in M.O. R, see current data.	Mean max. and min. temps. converted from whole degrees Fahrenheit.
822				
823	El Peru, Guayanavieja	M.S. data at M.O.	..	P=⅛ (7+14+21). Observations April to December not available.
825	Georgetown, Brit. Guiana	British Guiana, Blue Book, 1911.	See current data.	P=½ (9+16).
826	Paramaribo	M.S. data supplied by K. Ned. Meteor. Inst., De Bilt, and by Mr. R. C. Mossman.	R, Voss, Niederschlag. von Südamerika.	P=⅜ (8+14+18).
826a	Cayenne	Paris, Ann. Bur. centr. météor., 1911.	M.S. normals prepared in M.O.	..
833	Conakry	Do. do.	Do. do.	P=⅛ (6+14+21).
834	Sierra Leone	M.S. data at M.O.	Do. do.	P=⅛ (9+17).
835	Cape Coast Castle	Do.	Do. do.	..
836	Accra	Do.	Do. do.	..
837	Lagos	Nigeria, Government Gazette, 1911.	Do. do.	P=½ (9+15).
838	Zungeru	M.S. data at M.O.	Do. do.	P=9 h.
838a	Libreville	See No. 826a.	Do. do.	..
839	Yola	M.S. data at M.O.	Do. do.	..
841	Kafia Kingi	Cairo, Ann. Rep. Meteor Service, 1911.	..	P, T=8 h.
842	Wau	Cairo, Summary of Weather in Egypt, etc., 1911.	Cairo, Summary of Weather in Egypt, 1912.	P=8 h.
843	Entebbe	M.S. data at M.O.	M.S. normals prepared in M.O.	P=⅛ (7+14+21).
844	Nandi	Nairobi, Meteor. Records, British East Africa, 1911.	Do. do.	..
845				
851	Cothin	Calcutta, India Weather Review, 1911.	See current data.	P=8 h.
852	Colombo Observatory	Colombo, Rep. on Obs. and Meteor. of Ceylon, 1911.	Do.	P=½ (9½+15½); diffs. refer to Colombo Fort.
853	Candy	Do. do.	Do.	..
855	Medan	P, Batavia, Obs. at II. Stations in Netherlands East India, vol. i. T, R, M.S. data supplied by Dr. van Bemmelen.	P, see current data. R, Regenwaarnemingen in Nederlandsch-Indië, 1912, Deel 2.	P=mean of 24 hrs.
856				
857	Penang	Singapore, Straits Settlements Meteor. Returns, 1911.	See current data.	P=⅛ (9+15+21).
858	Singapore	Do. do.	Do.	Do.
860	Sandakan	British North Borneo Herald, 1911.	M.S. normals prepared in M.O.	..
861	Tagbilaran	Manila, Bull. Philippine Weather Bureau, 1911.	P, M.S. normals prepared in M.O. R, Masó, Rainfall of Philippines.	P=⅛ (2+6+10+14+18+22).
862	Surigao	Do. do.	P, T, Do. R, do.	Do.
863	Yap	Do. do.	..	..
869	Uyelang	Hamburg, Deutsche Übersee. Meteor. Beob., 21.	M.S. normals prepared in M.O.	P=¼ (7+14+21).

* Hann, J., Der tägliche Gang der Temperatur in der äusseren Tropenzone, Wien, 1907.

ZONE 9. Table showing the Authorities for the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
905	Malden Island	M.S. data at M.O.	M.S. normals prepared in M.O.	P=½ (9+20).
906				
923	Manaos	M.S. data supplied by Mr. R. C. Mossman.	M.S. normals supplied by Mr. R. C. Mossman.	T=⅓ (7+10+13+16).
930	Fernando Noronha	Meteor. Zs., 29, 1912, p. 185.	P, M.S. normals prepared in M.O.	P=¼ (7+14+21).
939	Sainte Croix-des-Eshiras	Paris, Ann. Bur. centr. météor., 1911.	M.S. normals prepared in M.O.	..
940	Loango	Do. do.	..	..
943	Daressalam	Hamburg, Deutsche Übersee. Meteor Beob. 21.	..	P=½ (7+14+21).
944	Nairobi	Nairobi, Meteor. Records, British East Africa, 1911.	T, M.S. normals prepared in M.O. R, see current data.	..
944a	Zanzibar	Calcutta, India Weather Review, 1911.	See current data.	P=8 h.
945				
946	Lamu	See No. 944.	R, M.S. normals prepared in M.O.	..
947	Seychelles	See No. 944a.	See current data.	P=½ (10+16). T, diffs. are ½ (10+16) {1911—normal}.
948				
955				
956	Padang	P, Batavia, Obs. at II Stations in Netherlands East India, vol. i. T, No Obs. R, M.S. data supplied by Dr. van Bemmelen.	P, see current data. R, Regenwaarnemingen in Nederlandsch-Indië, 1912, Deel 2.	P reduced to mean of 24 hrs.
957	Batavia	See No. 956. T, R, from Obs. at Royal Magn. and Meteor. Obs., Batavia, 1911.	See No. 956 and current data.	Do. do.
958	Pontianak	See No. 956.	See No. 956.	Do. do.
959	Passeroean	P, See No. 956. T, R, from Natuurkundig Tudschrift voor Nederlandsch-Indië, 72.	Do.	Do. do.
960	Kajoemas	R, see No. 956.	R, Regenwaarnemingen in Netherlandsch-Indië, 1914.	..
961	Koepang	See No. 956.	R, see No. 956.	See No. 956.
962	Ambon	Do.	See No. 956.	Do.
965	Daru	Port Moresby, Papua Govt. Gazette, 1911–12.	M.S. normals prepared in M.O.	P=9 h.
966	Port Moresby	Do. do.	Do. do.	Do.
967	Rakuranga	Hamburg, Deutsche Übersee. Meteor. Beob., 21.	..	..
968	Rendova	Results of Rainfall Obs. in Queensland.	R, see current data.	..
969	Tulagi, Brit. Solomon Is.	M.S. data at M.O.	M.S. normals prepared in M.O.	P=9 h.
970	Ocean Island	Do.	Do. do.	P=½ (9+21).

ZONE 10. Between Latitude 10° S. and 20° S.

1001				
1003	Alofi, Niue Island	M.S. data supplied by New Zealand Meteor. Dept.	M.S. normals prepared in M.O.	P=9 h.
1004				
1007	Tahiti (Makatea)	Paris, Ann. Bur. centr. météor., 1911.	P, Do. do.	P=⅓ (6+12+18).
1008				
1021	Puerto de Arica	Santiago, Publ. Inst. Meteor. de Chile, No. 3, Anuario, 1911.	T, Do. do.	..
1022	Arequipa	M.S. data supplied by Harvard Coll. Obs.	M.S. normals prepared in M.O.	P=⅓ (8+14+20).
1023				
1024	Sucre, Bolivia	Sucre, Resultados di Obs. Meteor., 1913.	T, see current data. R, M.S. normals supplied by Mr. R. C. Mossman.	Basis of mean temp. unknown
1025	Araguaya	Meteor. Zs., 30, 1913, p. 398.	See current data.	..
1026	Cuyaba	Do. p. 452.	M.S. normals prepared in M.O.	P=⅓ (7+14+21).
1035	St. Helena	M.S. data at M.O.	Do. do.	P=9 h.
1036				
1041				
1042				
1043	Salisbury, Rhodesia	Salisbury, Rep. on Meteor., 1911, by Agric. Dept.	R, E. Goetz, The Rainfall of Rhodesia.	P=8 h.
1044	Zomba	Nyasaland, Blue Book, 1911.	Meteor. Zs., 26, 1909, p. 327.	P=½ (9+21).
1045	Tamatave	See No. 1007.	M.S. normals prepared in M.O.	P, T=⅓ (7+12+18).
1046	Tananarivo	See No. 1007, and Tananarive, Obs. Météor., 23, 1911.	Tananarive, Obs. Météor, 23, 1911.	P=(7+13+18).
1055	Cocos Keeling Is.	Melbourne, Australian Monthly Weath. Rep., 1911.	See current data.	P=½ (9+15).
1056				
1057	Christmas Is.	Edinburgh, J. Scottish Meteor. Soc., 16, 1911.	M.S. normals supplied by Mr. A. Watt.	P=½ (9+21).
1058				
1061	Derby	See No. 1055.	See No. 1055.	See No. 1055.
1062	Hall's Creek	Do.	Do.	Do.
1063	Port Darwin	Do.	Do.	Do.
1064	Daly Waters	Do.	Do.	Do.
1065	Mein	Do.	Do.	Do.
1066	Georgetown, Queensland	Do.	Do.	Do.
1067	Samarai	Papua Government Gazette, 1911–12.	M.S. normals prepared in M.O.	P=9 h.
1068				
1069				
1070	La Kolle	See No. 1007.	..	..
1071				
1072	Suva, Fiji	M.S. data at M.O.	C. H. Knowles, Ann. Rep. Agric., Fiji, 1913.	P=9 h.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° S. and 30° S. ZONE 11.

No.	Name of Station.	Authority for Current Data.	Authority for Normals.	Remarks.
1105	Rarotonga (Avarua)	M.S. data supplied by New Zealand Meteor. Dept. and New Zealand Gazette.	M.S. normals prepared in M.O.	..
1106				
1115	Mataveri, Easter Island	Santiago, Publ. Inst. Meteor. de Chile, No. 4.	..	P=mean of 24 hrs.
1116				
1121	Punta Tortuga, Coquimbo	Santiago, Publ. Inst. Meteor. de Chile, No. 3, Anuario Meteor., 1911.	M.S normals prepared in M.O.	P=⅓ (7+14+21).
1122	Puerto de Antofagasta	Do. do.	Do. do.	Do.
1125	Goya	M.S. data supplied by Mr. R. C. Mossman.	W. G. Davis, Climate of the Argentine Republic.	T=⅓ (8+14+20).
1126	Porto Alegre	Do. do.	R, M.S. normals prepared in M.O.	..
1127	Curityba	Meteor. Zs., 30, 1913, p. 607.	Brazil, Boletin meteor., 1910.	P=mean of 24 hrs.
1128	Rio de Janeiro	M.S. data supplied by Mr. R. C. Mossman.	L. Cruls, O Clima do Rio de Janeiro.	P, T=means of four-hourly observations.
1139	Windhuk	Hamburg, Deutsche Übersee. Meteor. Beob., 21, 1911.	T, M.S. normals prepared in M.O. R, Tönnesen in London, Geogr. J., 49, 1917, p. 299.	P=¼ (7+14+21).
1140				
1141	Johannesburg	M.S. data supplied by Transvaal Meteor. Service and Notices of the Transvaal Obs., 1911.	See current data.	P=8½ h.
1142	Kimberley	J. R. Sutton, A Prelim. Survey of Meteor. of Kimberley, Trans. R. Soc. S. Africa, 1912, p. 205.	Do.	P=mean of 24 hrs.
1142a	Pretoria	See No. 1141.	Do.	P=8½ h.
1143	Durban	Do.	R, Buchan, Rainfall of South Africa.	..
1144	Lorenzo Marques	Lourenço Marques, Relatorio do Obs. Campos Rodrigues, 1911.	A. de A. Teixeira, Climate of Lourenço Marques, 1913.	P=mean of 24 hrs.
1147	Mauritius	Mauritius, Results of Meteor. Obs. during 1911 at Royal Alfred Observatory.	See current data.	Do.
1148				
1159	Onslow	Melbourne, Australian Monthly Weath. Rep., 1911.	Do.	P=½ (9+15).
1160	Peak Hill	Do. do.	Do.	Do.
1161	Nullagine	Do. do.	Do.	Do.
1162	Laverton	Do. do.	Do.	Do.
1163	Alice Springs	Do. do.	Do.	Do.
1164	William Creek	Do. do.	Do.	Do.
1165	Boulia	Do. do.	Do.	Do.
1166	Mitchell	Do. do.	Do.	Do.
1167	Rockhampton	Do. do.	Do.	Do.
1168	Brisbane	Do. do.	Do.	Do.
1169	Noumea	Paris, Ann. Bur. centr. météor., 1911.	M.S. normals prepared in M.O.	Do.
1170	Norfolk Island	Results of Rainfall Obs. in Queensland.	See current data.	..

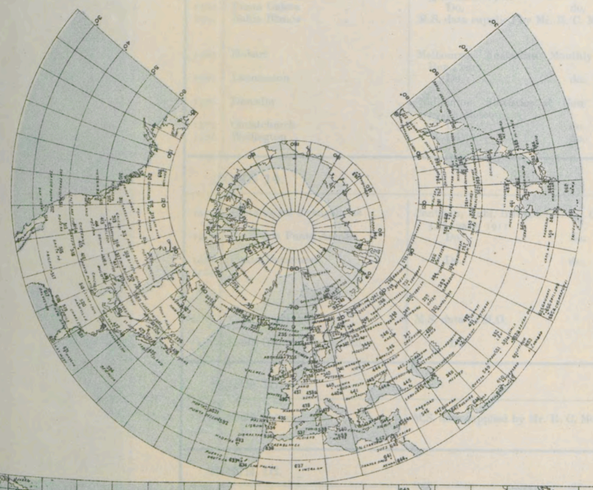
Between Latitude 30° S. and 40° S. ZONE 12.

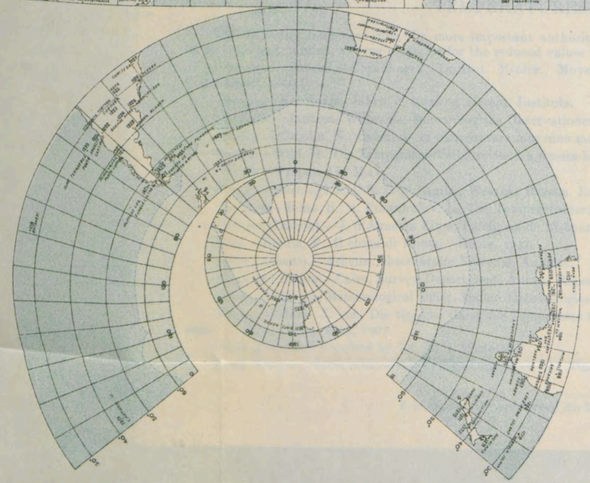
1219				
1220	Juan Fernandez	Santiago, Publ. Inst. Meteor. de Chile, No. 3, Anuario 1911.	R. C. Mossman, The Climate of Chile.	P, T=⅓ (7+14+21).
1221	Punta Angeles, Valparaiso	Do. do.	P, T, M.S. normals prepared in M.O. R, Climate of Chile.	P=⅓ (7+14+21).
1222	Santiago	Pub. del Inst. Meteor. de Chile, Nos. 3 and 5.	M.S. normals prepared in M.O.	P=mean of 24 hrs.
1223	Cordoba	M.S. data supplied by Mr. R. C. Mossman and by the Director of the Solar Physics Obs., Cambridge.	P, Davis, Climate of the Argentine Republic. T, R, Buenos Ayres Servic. Meteor. Hist. and Org.	T=⅓ (8+14+20).
1224	Buenos Ayres	M.S. data supplied by Mr. R. C. Mossman.	W. G. Davis, Climate of the Argentine Republic.	P, T=mean of 24 hrs.
1225				
1226	Montevideo	Montevideo, Bol. Mens. Inst. Nacional Fisico Climat., 1911.	M.S. normals prepared in M.O.	P=mean of 24 hrs.
1239	Cape Town	M.S. data supplied by Transvaal Meteor. Service and Symons's Meteor. Magazine.	Do. do.	P, reduced to mean of 24 hrs.
1240	Danger Point	M.S. data supplied by Transvaal Meteor. Service.	..	..
1141	Heidelberg	Do. do.	M.S. normals prepared in M.O.	P=8½ h.
1242	East London	Do. do.	Do. do.	Do.
1259	Perth (Observatory)	Melbourne, Australian Monthly Weath. Rep., 1911.	See current data.	P=½ (9+15).
1260	Katanning	Do. do.	Do.	Do.
1261	Coolgardie	Do. do.	Do.	Do.
1262	Eucla	Do. do.	Do.	Do.
1263	Streaky Bay	Do. do.	Do.	Do.
1264	Adelaide	Do. do.	Do.	Do.
1265	Melbourne	Do. do.	Do.	P=mean of 24 hrs.
1266	Bourke	Do. do.	Do.	P=½ (9+15).
1267	Sydney	Do. do.	Do.	P=mean of 24 hrs.
1268	Lord Howe Island	Results of Rainfall Obs. in Queensland.	Do.	..
1271	Auckland	Wellington, Statistics of New Zealand, 1911: Meteor.	M.S. normals prepared in M.O.	..
1272				

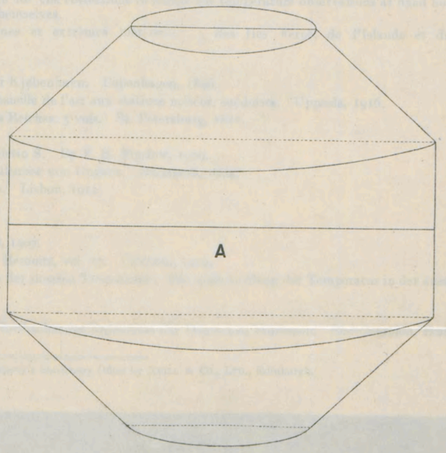
to face title.

RESEAU MONDIAL, 1911.

MAP SHOWING POSITIONS OF STATIONS.







Form 0891.

METEOROLOGICAL OFFICE, LONDON, 1915.

EXPLANATION.

The accompanying outline of the world, made up of sections drawn on the flat, gives a representation which shows a distortion from the truth of not more than 5 per cent. linear at any point. The five sections, of which it is composed, may be cut out and made up to form an "octagonal" globe of which a full size drawing is shown at A. If desired the sections can be preserved flat, thus economising space.

The projection of the equatorial belt between the tropics is Mercator's; the two belts between the tropics and the Arctic and Antarctic circles are drawn on Alber's equal-surface conical projection, making distortion to vanish at latitudes 35° and 90°. The size of the polar caps is then determinate.

The positions marked on the map are those of meteorological stations adopted in the Meteorological Office to represent a *Réseau Mondial* for the purpose of studying the climatology of the globe.

The plan of the *Réseau Mondial* is to select two stations for each 10° square of latitude and longitude and number them according to the zone of latitude and the belt of longitude according to the annexed scheme:—

OUTLINE CHARTS OF THE GLOBE.

SCALE 1:125,000,000.

EXPLANATION—*continued.*

Latitude.	Zone number.
80° — 70° N.	1
70° — 60° N.	2
10° — 0° N.	8
0° — 10° S.	9
10° — 20° S.	10
70° — 80° S.	16

Longitude.	Number.
180° — 170° W. Two stations per zone	01 and 02
170° — 160° W. " " " "	03 " 04
160° — 150° W. " " " "	05 " 06
... ...	
10° 0° W. " " " "	35 " 36
0° — 10° E. " " " "	37 " 38
... ...	
170° — 180° E. " " " "	71 " 72

On the map the numbers shown give first the zone number, then the number of the station according to its longitude, *e.g.*, 101 and 102 would be stations in 10° square bounded by 70° N., 80° N., (zone 1) 180° W. and 170° W. (longitude numbers 01, 02).

336 represents Greenwich Observatory, in square bounded by 50° N., 60° N., (zone 3) 10° W., 0° W. (longitude number 36).

EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Wy. & S., M.O. Press, London, S.W.

S.O. 5665. 1479—406.—500. 4/16.

M.O. No. 207g. (Charts).

METEOROLOGICAL OFFICE.

BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1911.

PART V.

RÉSEAU MONDIAL, 1911.

CHARTS

SHOWING THE DEVIATION OF THE PRESSURE AND TEMPERATURE FROM NORMAL VALUES FOR EACH MONTH AND FOR THE YEAR, BASED ON OBSERVATIONS AT LAND STATIONS,

GENERALLY TWO FOR EACH TEN-DEGREE SQUARE OF LATITUDE AND LONGITUDE.

Published by the Authority of the Meteorological Committee.

EDINBURGH:

PRINTED UNDER THE AUTHORITY OF HIS MAJESTY'S STATIONERY OFFICE

BY NEILL & CO., LIMITED.

And to be purchased from

THE METEOROLOGICAL OFFICE, EXHIBITION ROAD, LONDON, S.W.

Price Three Shillings and Sixpence.

1916.

RÉSEAU MONDIAL, 1911. CHARTS.

THE accompanying charts were prepared for issue with the first of the annual volumes of the Réseau Mondial, that for 1911. The compilation of the data was completed, and the figures were printed and ready for issue early this year, but unfortunately, while the charts to complete the volume were actually on their way to be stitched up with the tables, the latter were destroyed by fire at the printing works. The manuscript of the tables for a large part of the annual issue for 1912 was destroyed at the same time. This misfortune has inevitably delayed the publication of both 1911 and 1912, and while it is hoped that the latter year—which is being printed first—will be ready for issue very early in 1917, the letterpress and tables for 1911 cannot possibly be printed for several months.

The charts for the year 1911 still remain and are now being issued without waiting for the reprinting of the tables. They give the results of the consideration of the data from the point of view of cosmical meteorology—the deviations of pressure and temperature from normal. The variations of these elements in the same month in different years are largely minor effects superposed on the general distribution characteristic of the month, and would be barely distinguishable if merely the distribution, and not its abnormalities, was shown.

The method of representation of the two elements differs, for while pressure is shown by isanomalies—lines of equal deviation from normal—in steps of five millibars, and the individual deviations are not shown, the individual deviations of temperature in degrees absolute are plotted for each station, but isanomalies are not drawn. Of these figures, the red indicate temperatures above normal, and the blue temperatures below normal. It has not been possible to represent graphically the deviation of rainfall from normal, owing to the great localisation of this element.

The projection of the globe which is used for these maps is one which is employed at the Meteorological Office for the construction of "octagonal globes," and is so adjusted that the scale is everywhere within 5 per cent. of uniformity.

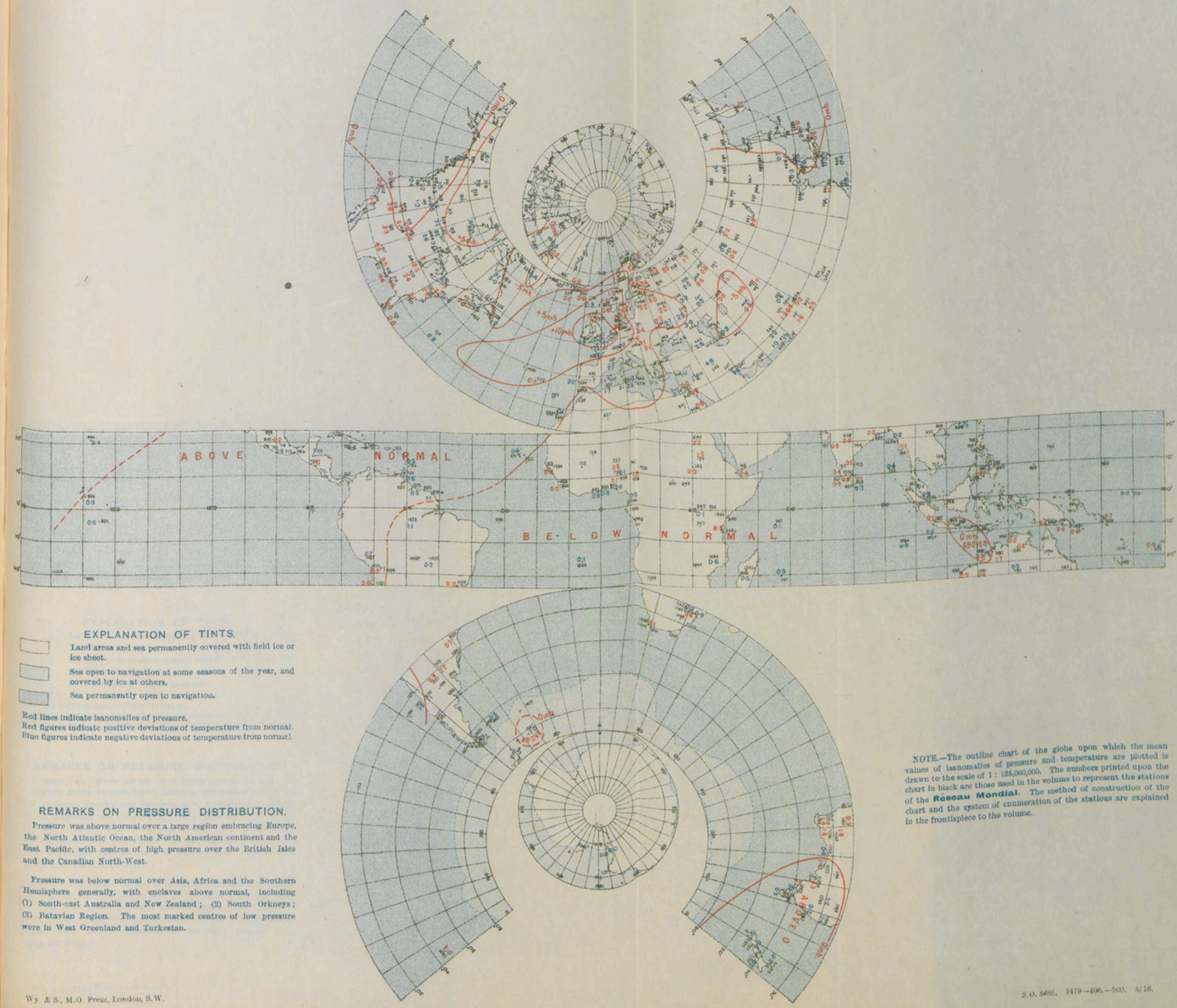
NAPIER SHAW.

10*th October* 1916.

Wt. 31848/433—500—12/16.—N. & Co., Ltd. **Gp. XV.**

Plate 2.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR JANUARY 1911.



EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION.

Pressure was above normal over a large region embracing Europe, the North Atlantic Ocean, the North American continent and the East Pacific, with centres of high pressure over the British Isles and the Canadian North-West.

Pressure was below normal over Asia, Africa and the Southern Hemisphere generally, with enclaves above normal, including (1) South-east Australia and New Zealand; (2) South Orkneys; (3) Batavian Region. The most marked centres of low pressure were in West Greenland and Turkestan.

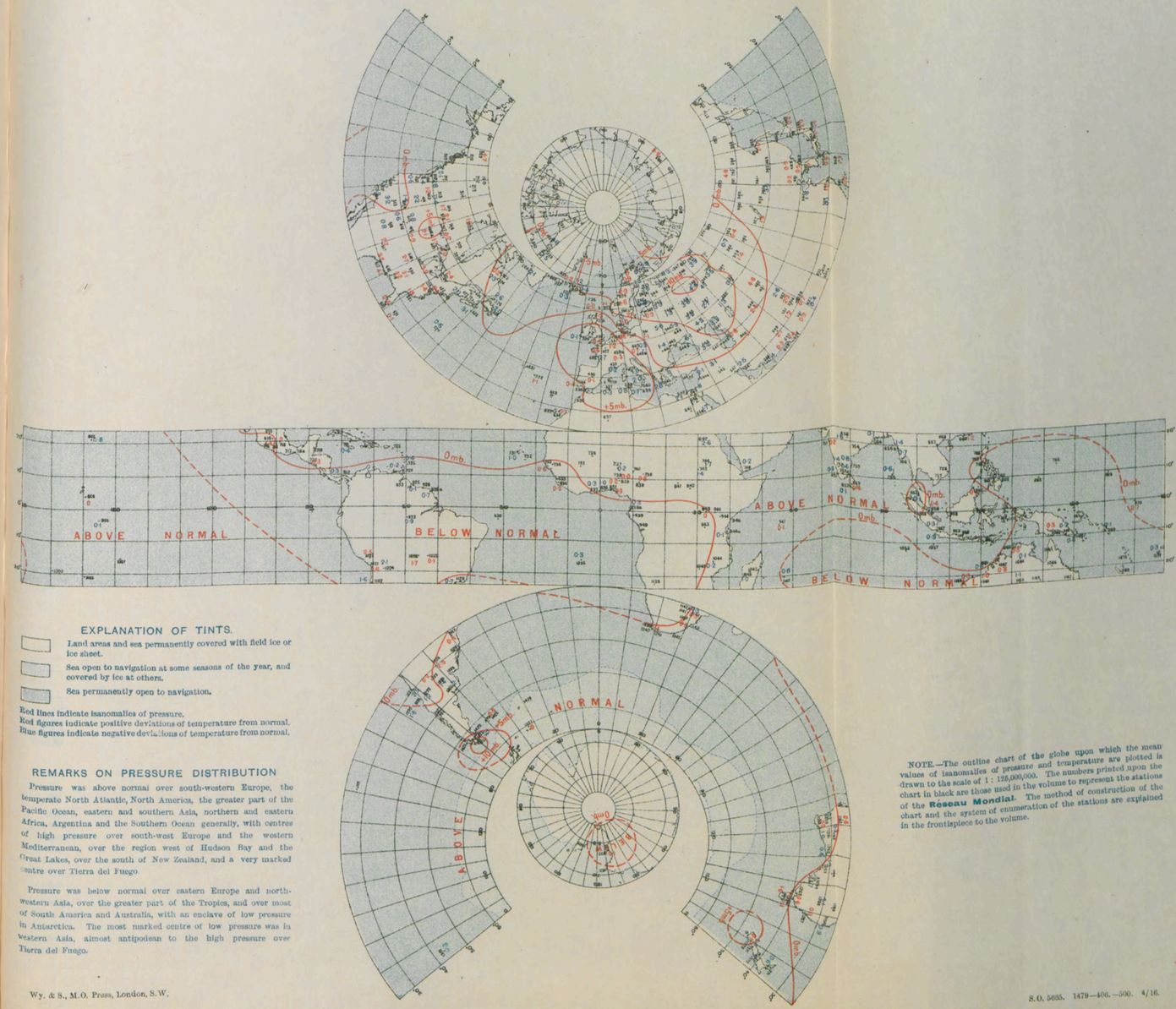
NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1 : 125,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Réseau Mondial**. The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

Wy & S., M.O. Press, London, S.W.

S.O. 5665. 1479—406.—500. 3/16.

Plate 3.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR FEBRUARY 1911.



EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION

Pressure was above normal over south-western Europe, the temperate North Atlantic, North America, the greater part of the Pacific Ocean, eastern and southern Asia, northern and eastern Africa, Argentina and the Southern Ocean generally, with centres of high pressure over south-west Europe and the western Mediterranean, over the region west of Hudson Bay and the Great Lakes, over the south of New Zealand, and a very marked centre over Tierra del Fuego.

Pressure was below normal over eastern Europe and north-western Asia, over the greater part of the Tropics, and over most of South America and Australia, with an enclave of low pressure in Antarctica. The most marked centre of low pressure was in western Asia, almost antipodean to the high pressure over Tierra del Fuego.

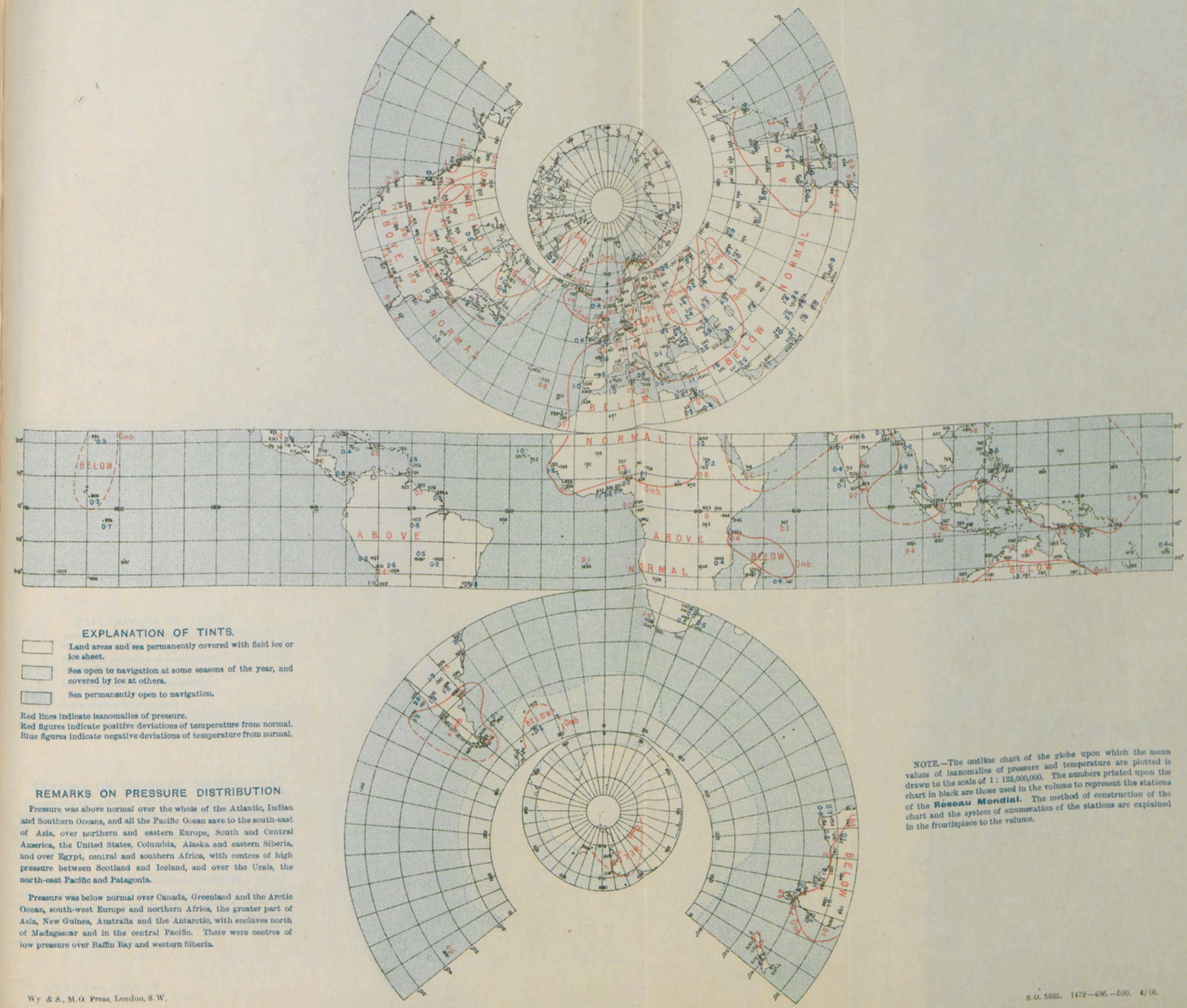
NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1 : 128,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Réseau Mondial**. The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

Wy. & S., M.O. Press, London, S.W.

S.O. 5635. 1479—406.—500. 4/16.

Plate 4.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR MARCH 1911.



EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION.

Pressure was above normal over the whole of the Atlantic, Indian and Southern Oceans, and all the Pacific Ocean save to the south-east of Asia, over northern and eastern Europe, South and Central America, the United States, Columbia, Alaska and eastern Siberia, and over Egypt, central and southern Africa, with centres of high pressure between Scotland and Iceland, and over the Urals, the north-east Pacific and Patagonia.

Pressure was below normal over Canada, Greenland and the Arctic Ocean, south-west Europe and northern Africa, the greater part of Asia, New Guinea, Australia and the Antarctic, with enclaves north of Madagascar and in the central Pacific. There were centres of low pressure over Baffin Bay and western Siberia.

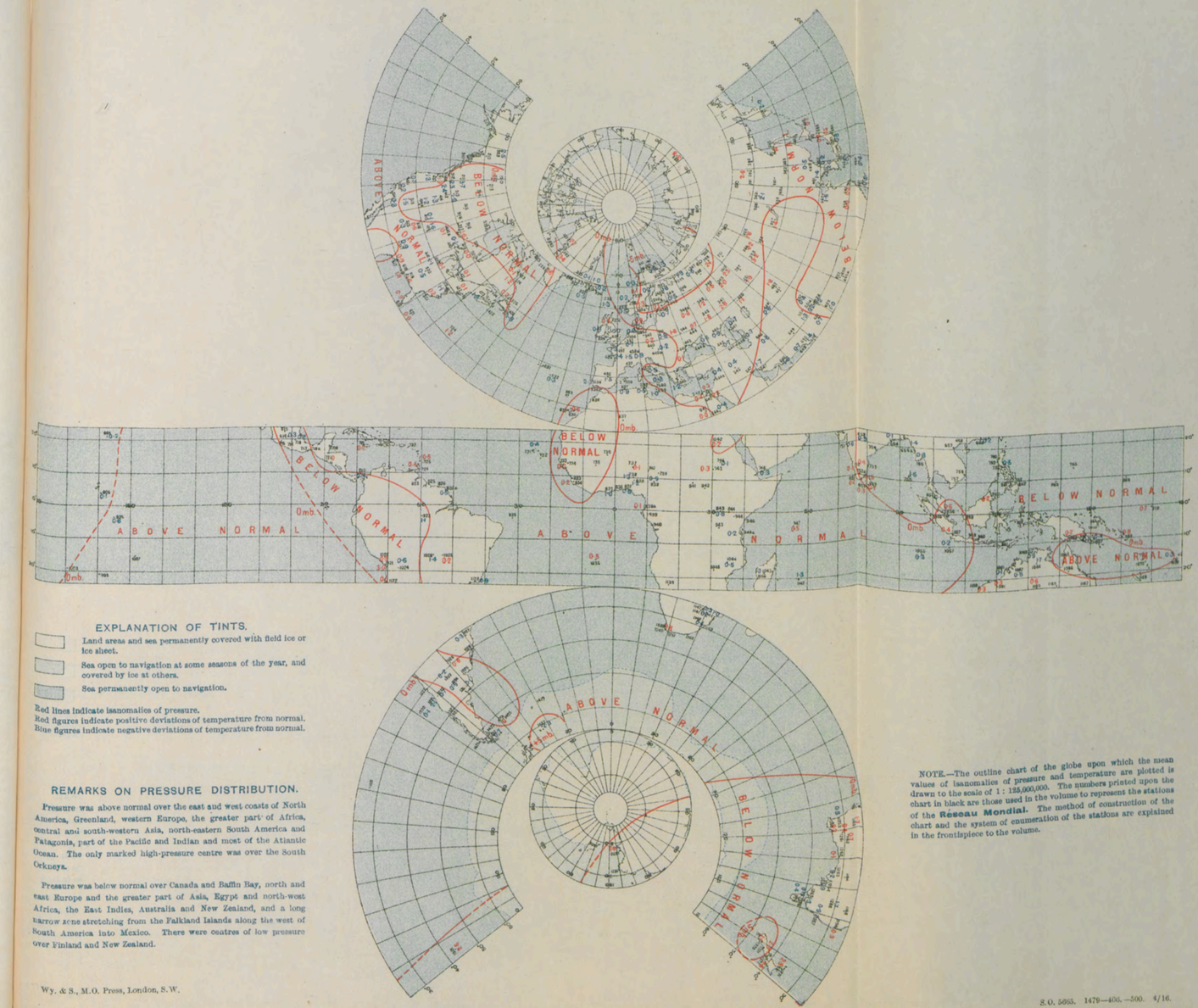
NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1 : 125,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Reseau Mondial.** The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

Wy & S., M.O. Press, London, S.W.

S.O. 5695. 1479—406.—500. 4/16.

Plate 5.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR APRIL 1911.



EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION.

Pressure was above normal over the east and west coasts of North America, Greenland, western Europe, the greater part of Africa, central and south-western Asia, north-eastern South America and Patagonia, part of the Pacific and Indian and most of the Atlantic Ocean. The only marked high-pressure centre was over the South Orkneys.

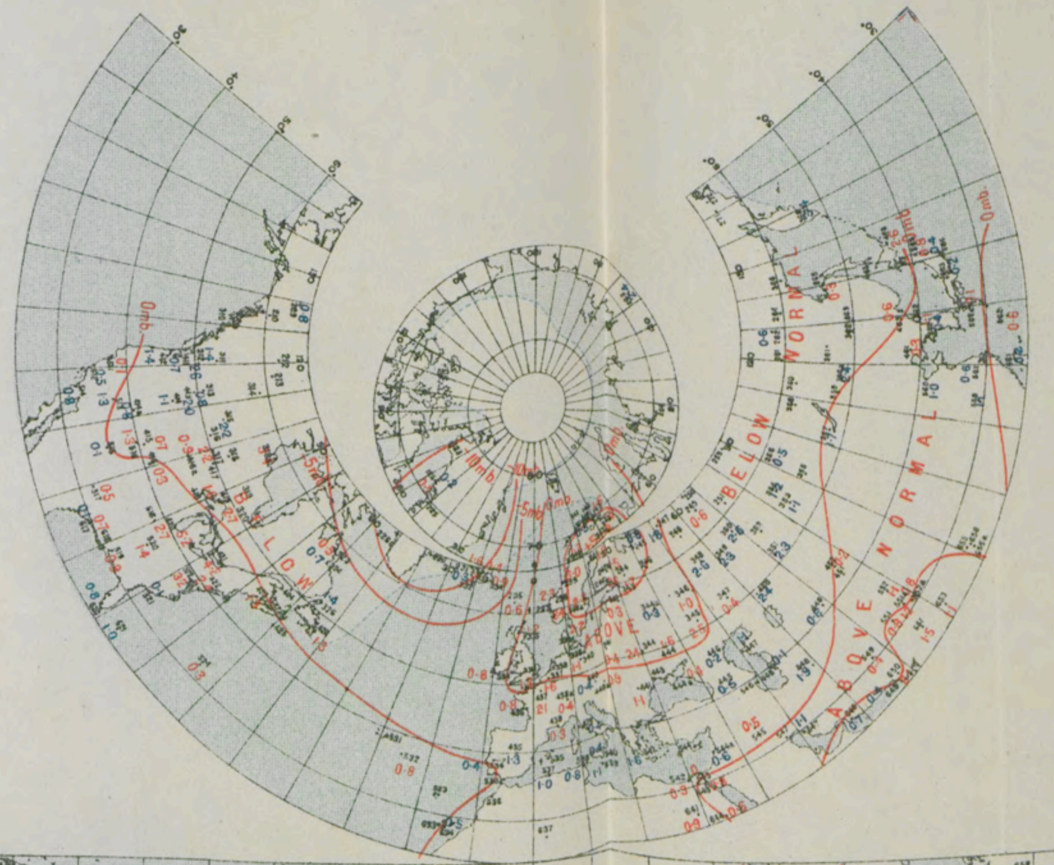
Pressure was below normal over Canada and Baffin Bay, north and east Europe and the greater part of Asia, Egypt and north-west Africa, the East Indies, Australia and New Zealand, and a long narrow zone stretching from the Falkland Islands along the west of South America into Mexico. There were centres of low pressure over Finland and New Zealand.

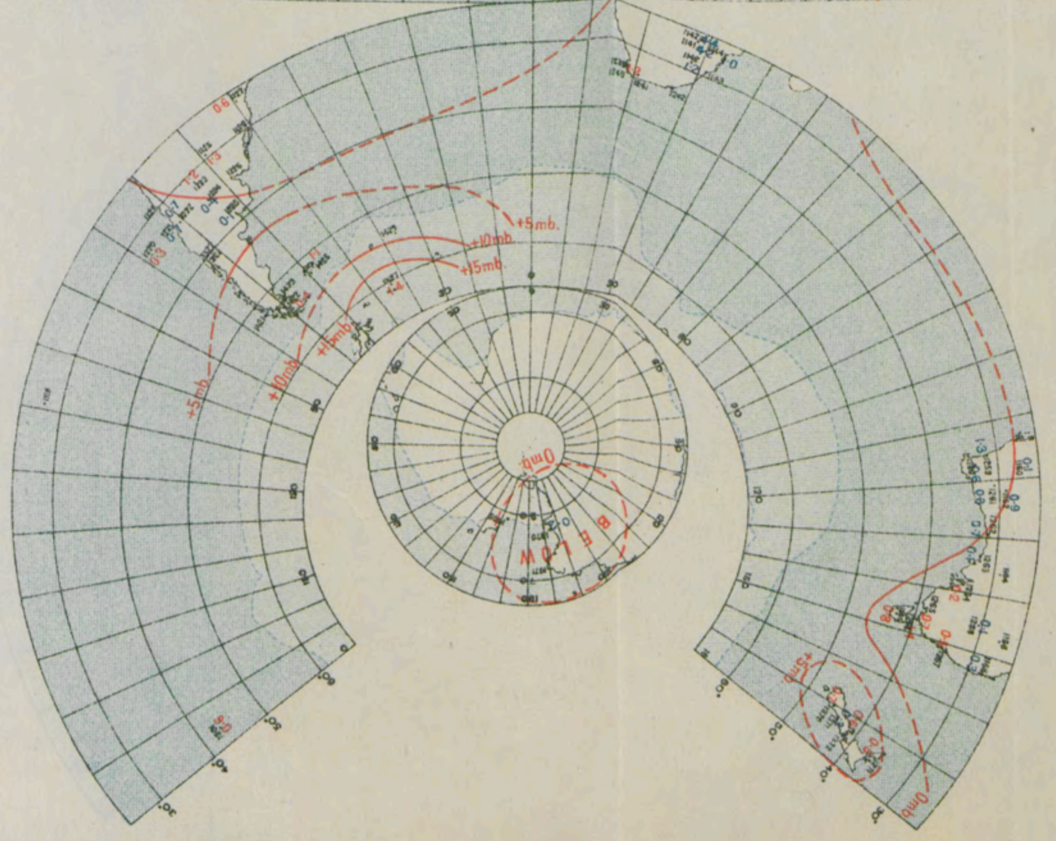
NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1 : 125,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Reseau Mondial.** The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

Wy. & S., M.O. Press, London, S.W.

S.O. 5665. 1479—400.—500. 4/16.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR MAY 1911.





EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION.

Pressure was above normal over northern Europe, over a narrow belt extending from Egypt to Japan, Ceylon, Northern Australia and neighbouring islands, United States, Central America, Venezuela and Guiana, Patagonia, South Africa, south-west Australia, New Zealand and the East Pacific and Southern Ocean generally. There were centres of high pressure over Fennoscandia, New Zealand, and a very marked centre over the South Orkneys.

Pressure was below normal over Greenland, Canada, Alaska, Siberia, Southern Europe, and the greater part of South America, Africa, southern Asia, Australia, and the intervening oceans, and part of Antarctica. The chief centre of low pressure was over Greenland.

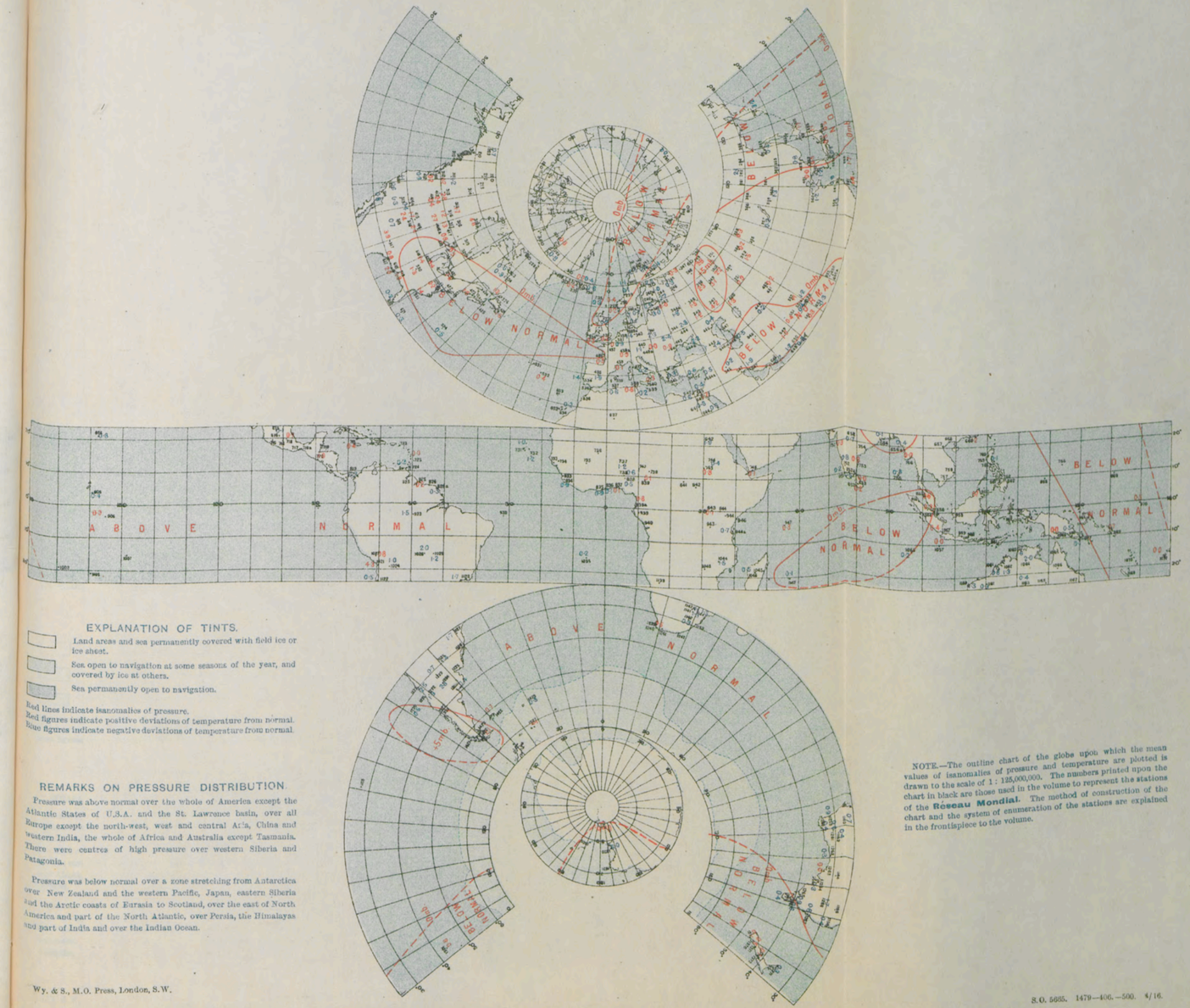
NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1 : 125,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Réseau Mondial.** The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

Wy & S., M.O Press, London, S.W.

S.O. 5665. 1479—406.—500. 4/16.

Plate 7.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR JUNE 1911.



EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION.

Pressure was above normal over the whole of America except the Atlantic States of U.S.A. and the St. Lawrence basin, over all Europe except the north-west, west and central Asia, China and western India, the whole of Africa and Australia except Tasmania. There were centres of high pressure over western Siberia and Patagonia.

Pressure was below normal over a zone stretching from Antarctica over New Zealand and the western Pacific, Japan, eastern Siberia and the Arctic coasts of Eurasia to Scotland, over the east of North America and part of the North Atlantic, over Persia, the Himalayas and part of India and over the Indian Ocean.

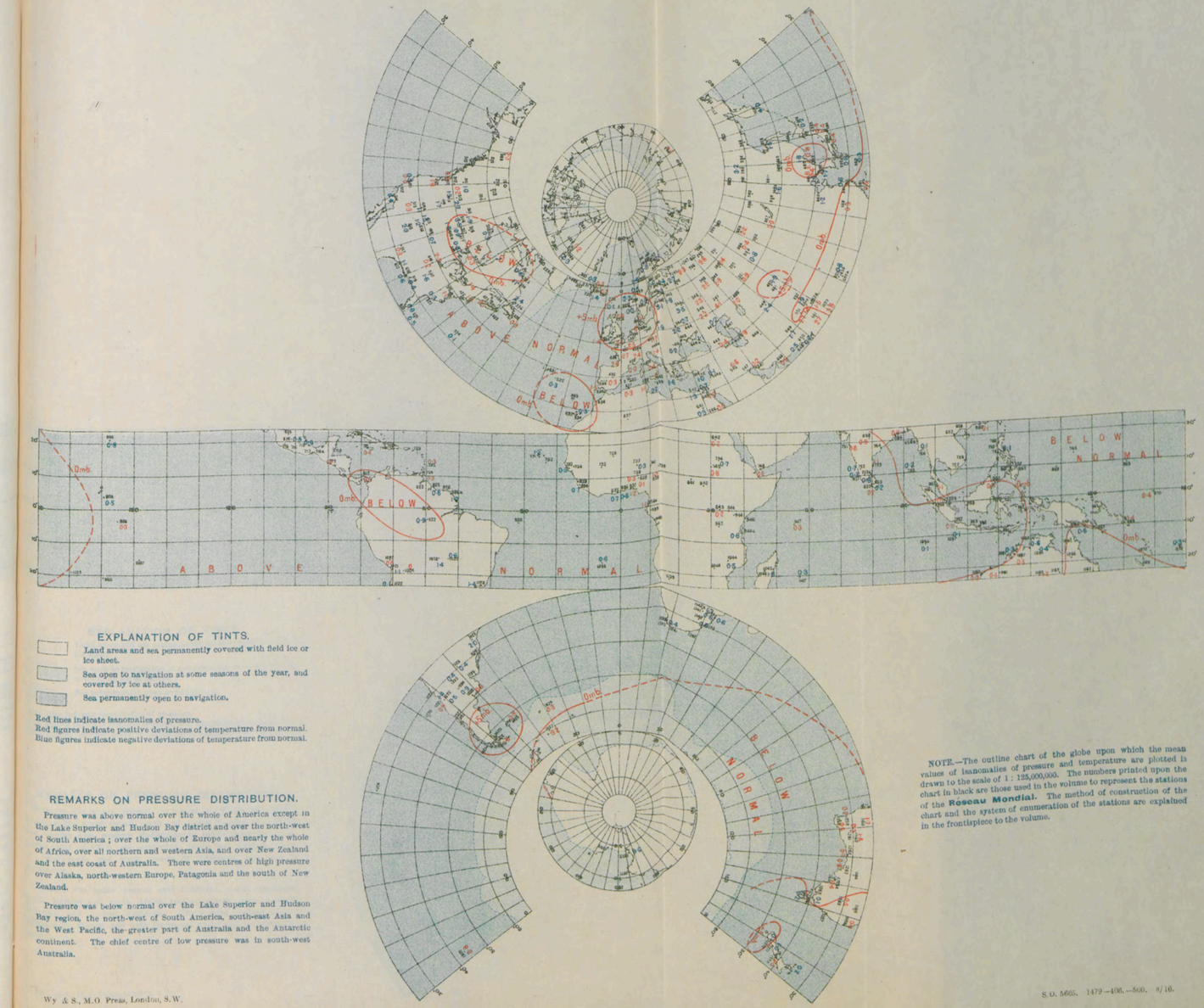
NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1 : 125,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Réseau Mondial**. The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

Wy. & S., M.O. Press, London, S.W.

S.O. 5635. 1479—406.—500. 4/16.

Plate 8.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR JULY 1911.



EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION.

Pressure was above normal over the whole of America except in the Lake Superior and Hudson Bay district and over the north-west of South America; over the whole of Europe and nearly the whole of Africa, over all northern and western Asia, and over New Zealand and the east coast of Australia. There were centres of high pressure over Alaska, north-western Europe, Patagonia and the south of New Zealand.

Pressure was below normal over the Lake Superior and Hudson Bay region, the north-west of South America, south-east Asia and the West Pacific, the greater part of Australia and the Antarctic continent. The chief centre of low pressure was in south-west Australia.

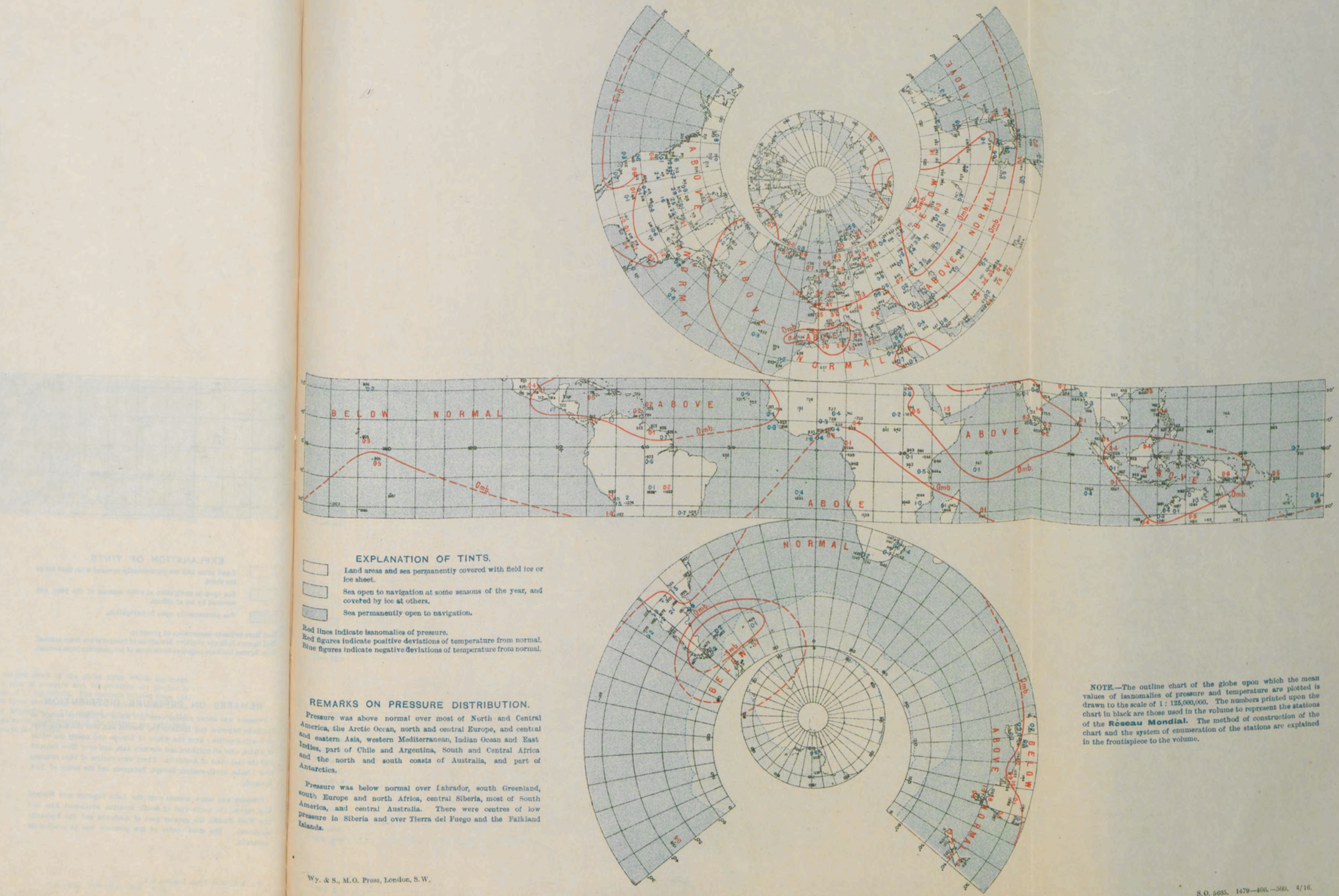
NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1 : 125,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Roseau Mondial**. The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

Wy & S., M.O. Press, London, S.W.

S.O. 5605. 1479—406.—500. 8/16.

Plate 9.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR AUGUST 1911.



EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION.

Pressure was above normal over most of North and Central America, the Arctic Ocean, north and central Europe, and central and eastern Asia, western Mediterranean, Indian Ocean and East Indies, part of Chile and Argentina, South and Central Africa and the north and south coasts of Australia, and part of Antarctica.

Pressure was below normal over Labrador, south Greenland, south Europe and north Africa, central Siberia, most of South America, and central Australia. There were centres of low pressure in Siberia and over Tierra del Fuego and the Falkland Islands.

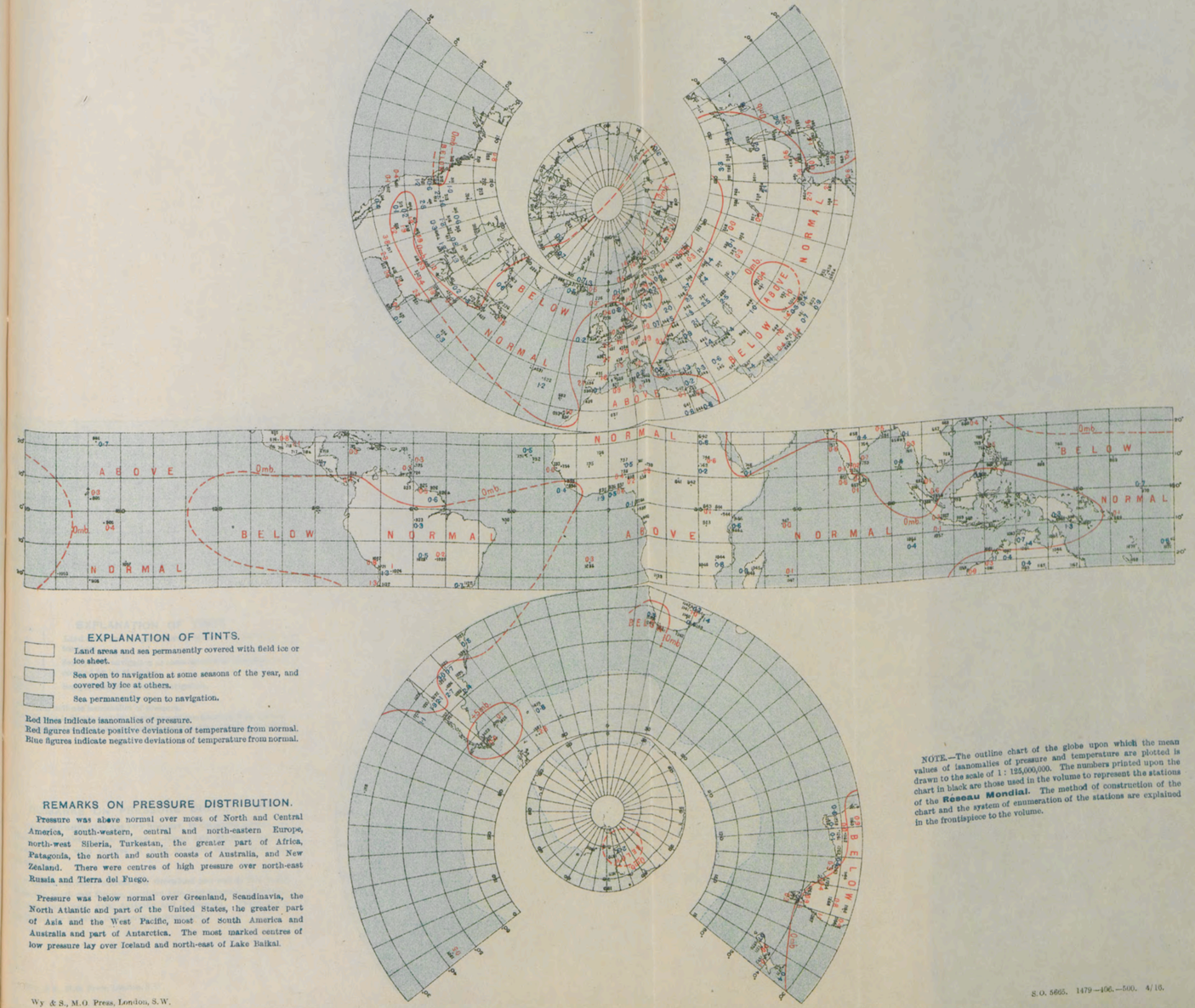
NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1: 135,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Réseau Mondial.** The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

Wy. & S., M.O. Press, London, S.W.

S.O. 5635. 1479—406.—500. 4/16.

Plate 10.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR SEPTEMBER 1911.



EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION.

Pressure was above normal over most of North and Central America, south-western, central and north-eastern Europe, north-west Siberia, Turkestan, the greater part of Africa, Patagonia, the north and south coasts of Australia, and New Zealand. There were centres of high pressure over north-east Russia and Tierra del Fuego.

Pressure was below normal over Greenland, Scandinavia, the North Atlantic and part of the United States, the greater part of Asia and the West Pacific, most of South America and Australia and part of Antarctica. The most marked centres of low pressure lay over Iceland and north-east of Lake Baikal.

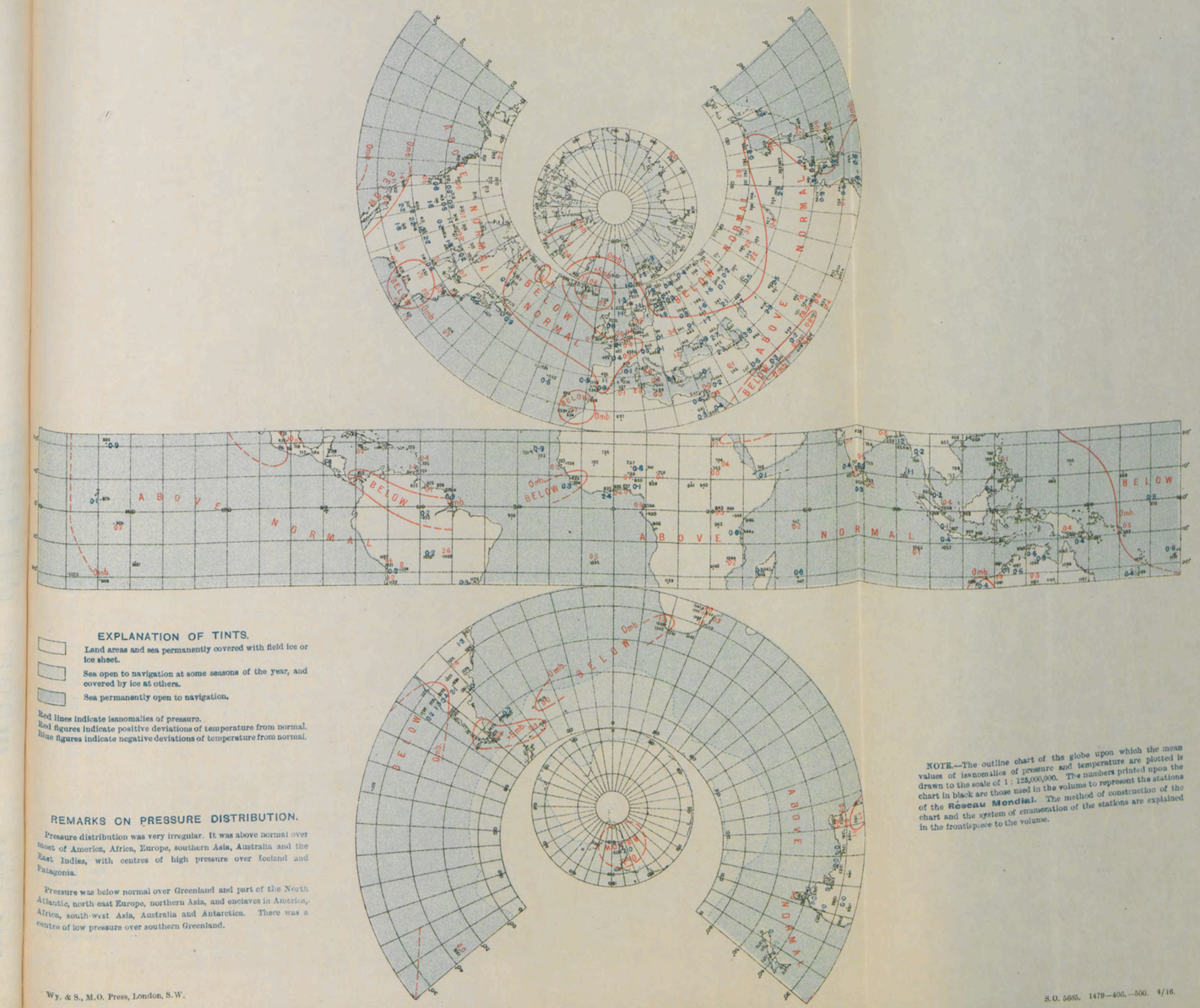
NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1 : 125,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Reseau Mondial**. The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

Wy & S., M.O. Press, London, S.W.

S.O. 5665. 1479—406.—500. 4/16.

Plate 11.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR OCTOBER 1911.



EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION.

Pressure distribution was very irregular. It was above normal over most of America, Africa, Europe, southern Asia, Australia and the East Indies, with centres of high pressure over Iceland and Patagonia.

Pressure was below normal over Greenland and part of the North Atlantic, north-east Europe, northern Asia, and enclaves in America, Africa, south-west Asia, Australia and Antarctica. There was a centre of low pressure over southern Greenland.

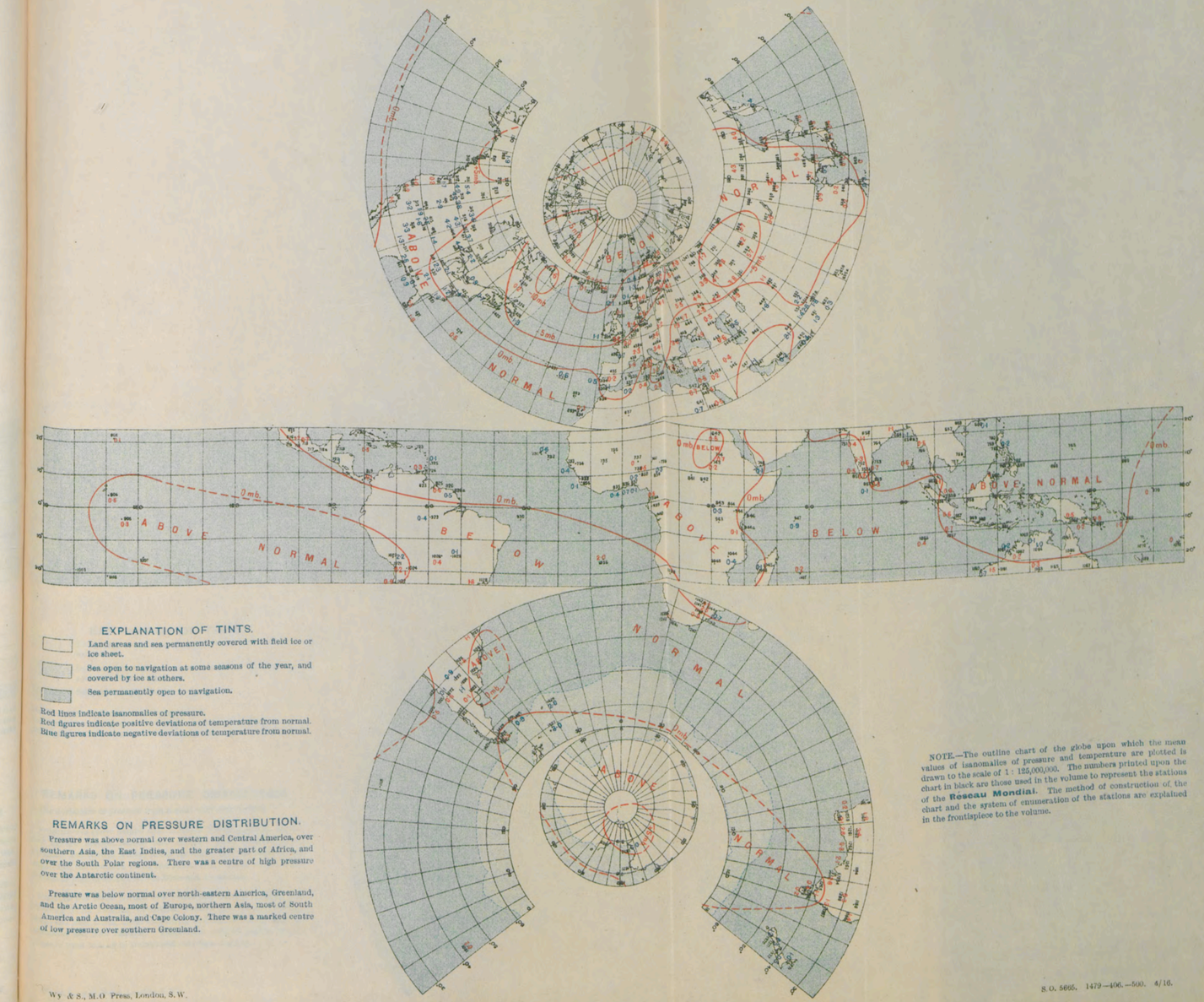
NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1 : 123,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Reseau Mondial**. The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

Wy. & S., M.O. Press, London, S.W.

S.O. 5685. 1479—405.—500. 4/16.

Plate 12.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR NOVEMBER 1911.



EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION.

Pressure was above normal over western and Central America, over southern Asia, the East Indies, and the greater part of Africa, and over the South Polar regions. There was a centre of high pressure over the Antarctic continent.

Pressure was below normal over north-eastern America, Greenland, and the Arctic Ocean, most of Europe, northern Asia, most of South America and Australia, and Cape Colony. There was a marked centre of low pressure over southern Greenland.

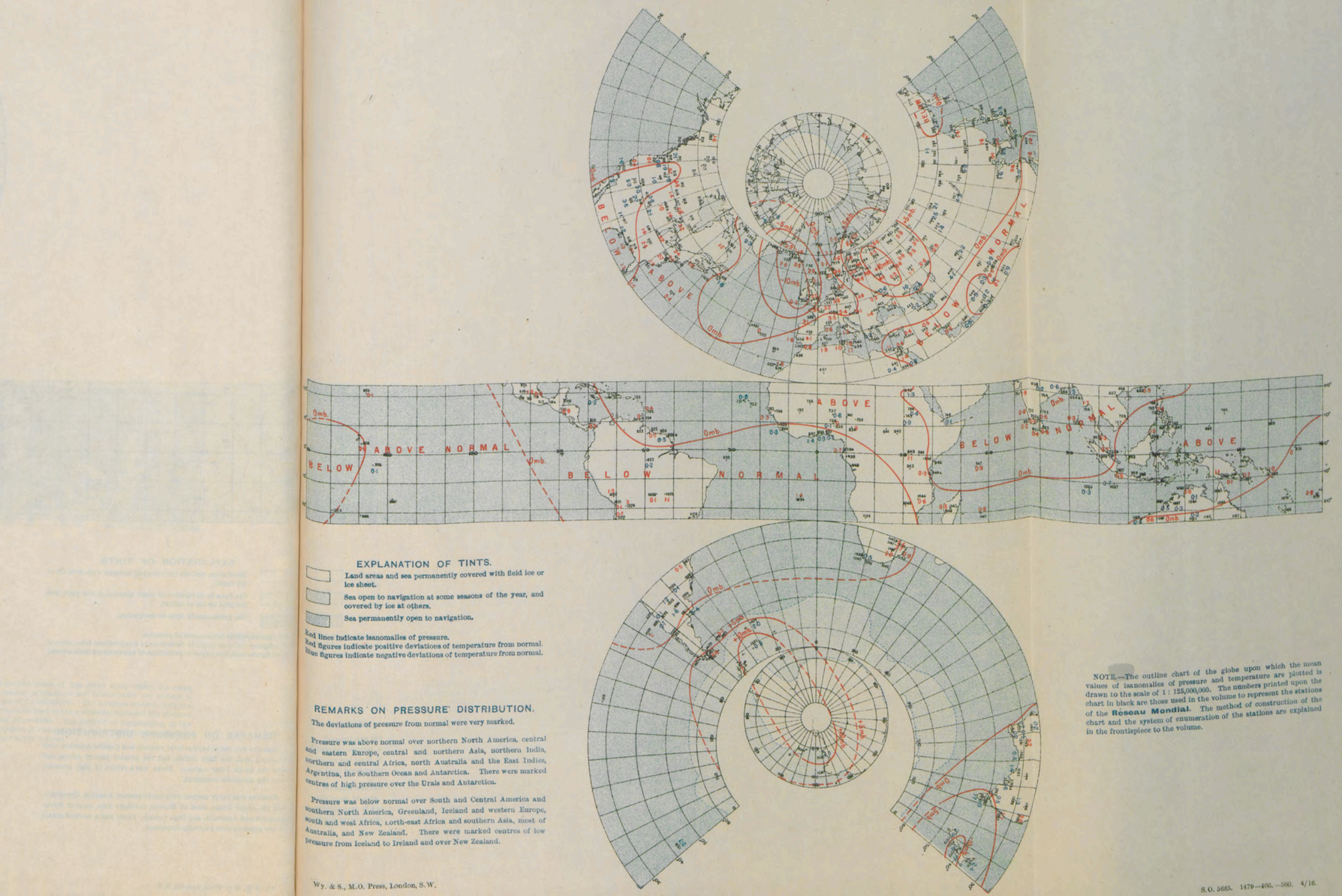
NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1: 125,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Reseau Mondial**. The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

Wy & S., M.O. Press, London, S.W.

S.O. 5665. 1479—406.—500. 4/16.

Plate 18.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR DECEMBER 1911.



EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION.

The deviations of pressure from normal were very marked.

Pressure was above normal over northern North America, central and eastern Europe, central and northern Asia, northern India, northern and central Africa, north Australia and the East Indies, Argentina, the Southern Ocean and Antarctica. There were marked centres of high pressure over the Urals and Antarctica.

Pressure was below normal over South and Central America and southern North America, Greenland, Iceland and western Europe, south and west Africa, north-east Africa and southern Asia, most of Australia, and New Zealand. There were marked centres of low pressure from Iceland to Ireland and over New Zealand.

NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1 : 125,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Reseau Mondial.** The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

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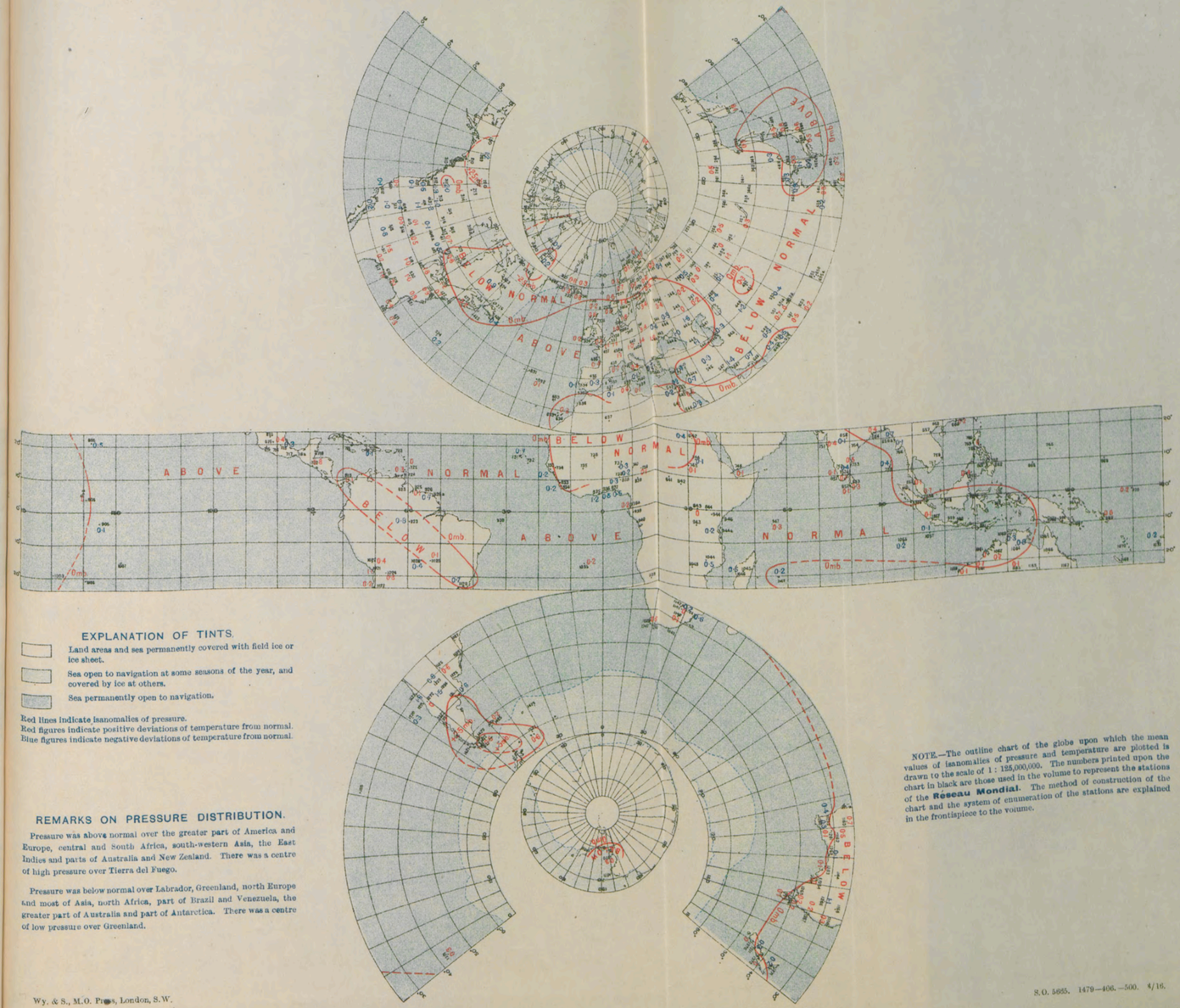
S.O. 5665. 1479—406.—500. 4/16.

Plate 14.

MAP SHOWING DEVIATIONS FROM NORMAL VALUES OF MEAN AIR PRESSURE AND MEAN TEMPERATURE FOR THE YEAR 1911.



EXPLANATION OF TINTS.

Land areas and sea permanently covered with field ice or ice sheet.

Sea open to navigation at some seasons of the year, and covered by ice at others.

Sea permanently open to navigation.

Red lines indicate isanomalies of pressure.
Red figures indicate positive deviations of temperature from normal.
Blue figures indicate negative deviations of temperature from normal.

REMARKS ON PRESSURE DISTRIBUTION.

Pressure was above normal over the greater part of America and Europe, central and South Africa, south-western Asia, the East Indies and parts of Australia and New Zealand. There was a centre of high pressure over Tierra del Fuego.

Pressure was below normal over Labrador, Greenland, north Europe and most of Asia, north Africa, part of Brazil and Venezuela, the greater part of Australia and part of Antarctica. There was a centre of low pressure over Greenland.

NOTE.—The outline chart of the globe upon which the mean values of isanomalies of pressure and temperature are plotted is drawn to the scale of 1 : 125,000,000. The numbers printed upon the chart in black are those used in the volume to represent the stations of the **Réseau Mondial**. The method of construction of the chart and the system of enumeration of the stations are explained in the frontispiece to the volume.

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